ELECTRONICS

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AC68-00887A

SERVICE MANUAL

SVR-639/633/630/537

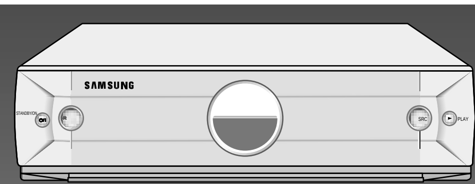
VIDEO CASSETTE RECORDER

SVR-639
SVR-633
SVR-630
SVR-537

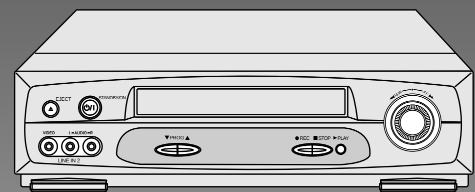
SERVICE *Manual*

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DX-9R → AC68-00001A).

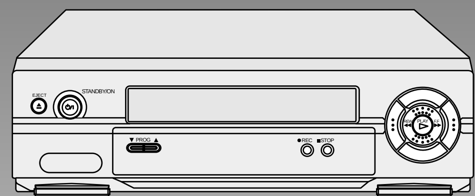
VIDEO CASSETTE RECORDER



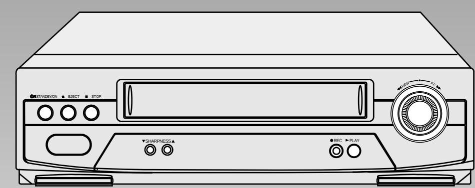
SVR-639



SVR-633



SVR-630



SVR-537

CONTENTS

1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1-1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

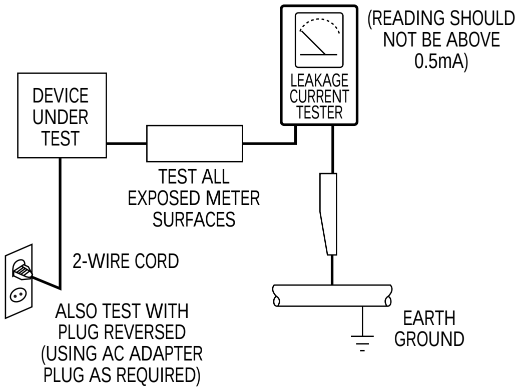


Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the X-ray protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors.
   The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors.
Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, (⚠ or ⚠).
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

IMPORTANT SERVICE GUIDE

MODE SWITCH (PROGRAM SWITCH) ASSEMBLY POINT

1) When installing the ass'y full deck on the Main PCB, be sure to align the assembly point of mode switch.

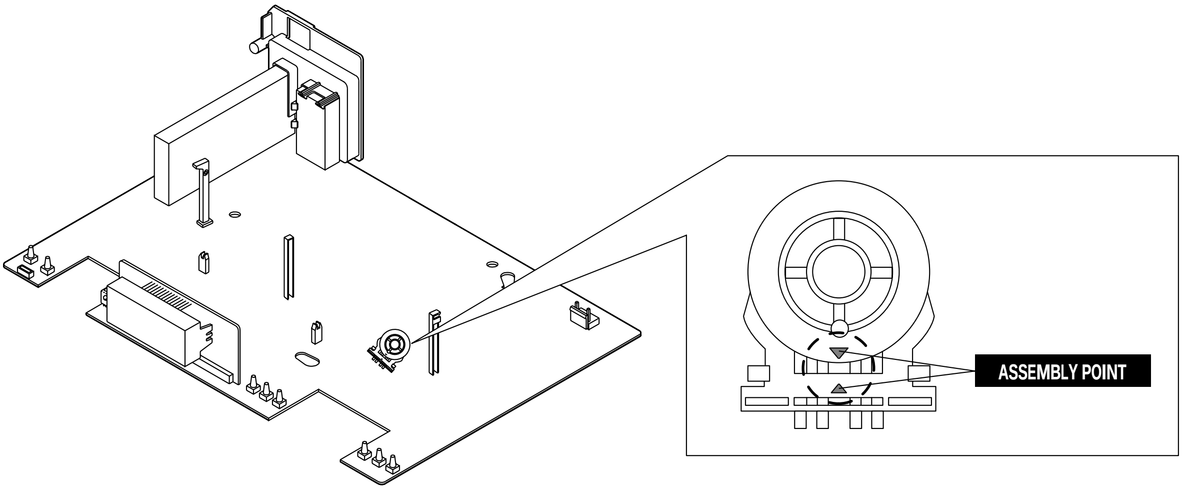


Fig. 1

HOW TO EJECT THE CASSETTE TAPE
(If the unit does not operate on condition that tape is inserted into housing ass'y)

1) Remove the Holder Worm ❶ and the gear worm ❷. (See Fig. 2)
2) Turn the Gear Worm Wheel ❸ counterclockwise in the direction of arrow with screw driver. (See Fig. 2)
3) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwounded tape. (Refer to Fig. 3)
(If you rotate Gear Worm Wheel continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwounded tape in the state of set horizontally.)
4) Rotate Gear Worm Wheel ❸ counterclockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 2)

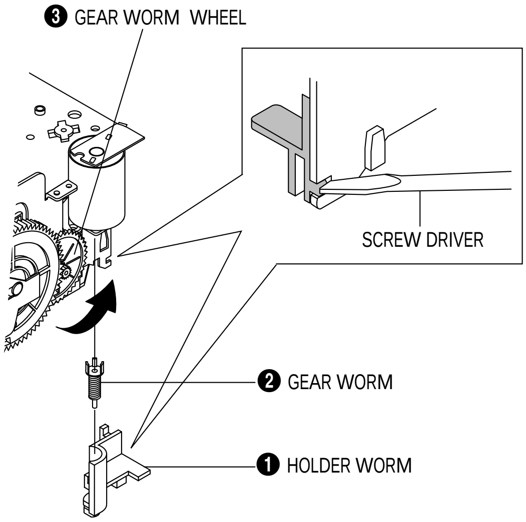


Fig. 2

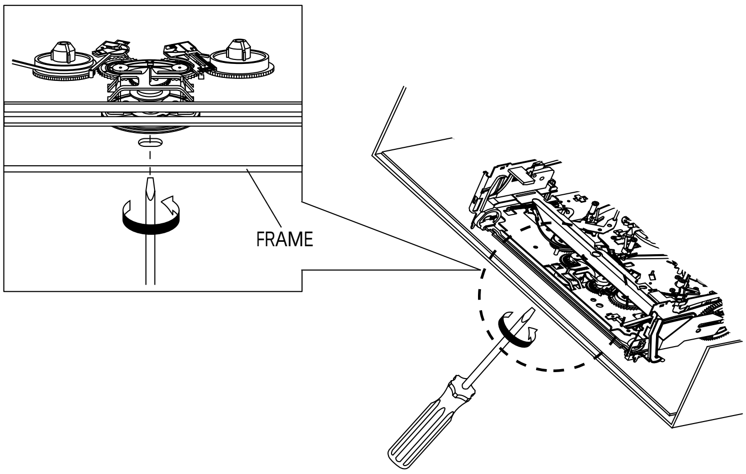


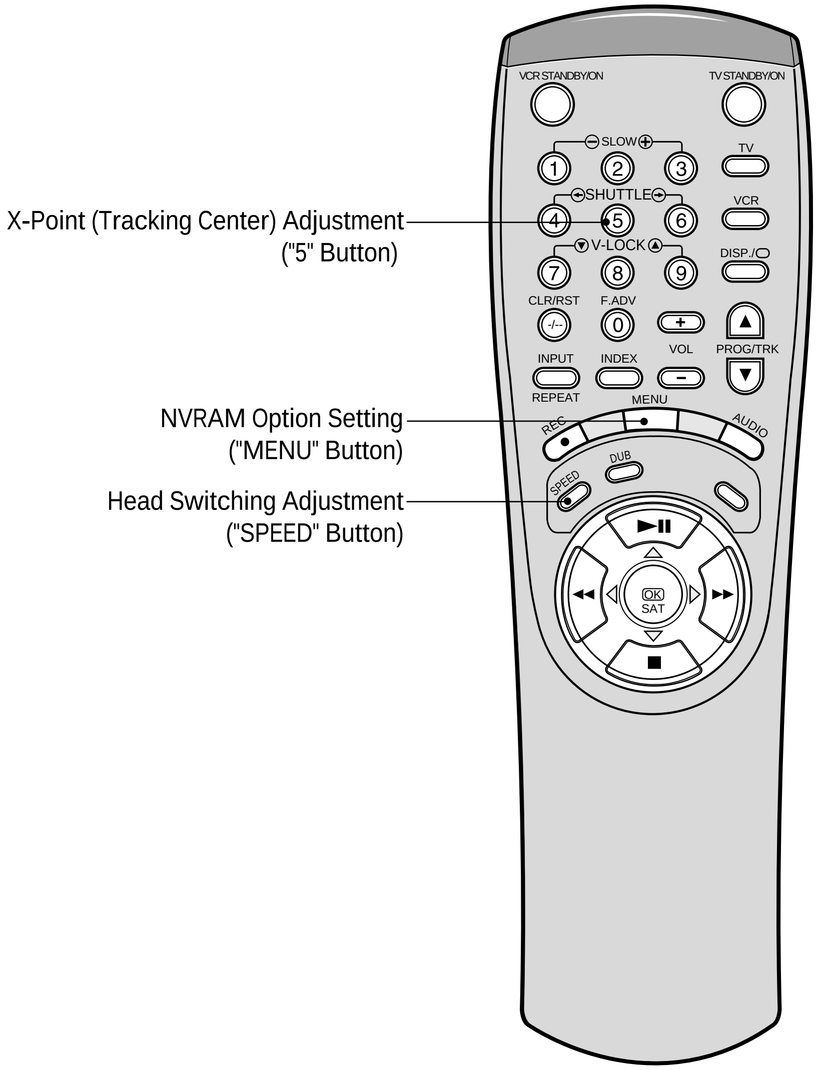
Fig. 3

2. Alignment and Adjustment

2-1 Reference

1) X-Point (Tracking center) adjustment, “Head switching adjustment” and “NVRAM option setting” can be adjusted with remote control.
2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the “Head switching adjustment” and “NVRAM option setting”.
3) When replacing the cylinder ass’y, be sure to adjust the “X-Point” and “Head switching adjustment”.
4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
5) How to adjustment.
   - Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
   - If the adjustment is completed, be sure to turn the power off.

2-1-1 Location of adjustment button of remote control



<This type of remote control can adjust.>

Remote Control for adjustment is not supplied as a Service Jig.

Fig. 2-1

2-1-2 SW718 (TEST) location for adjustment mode setting

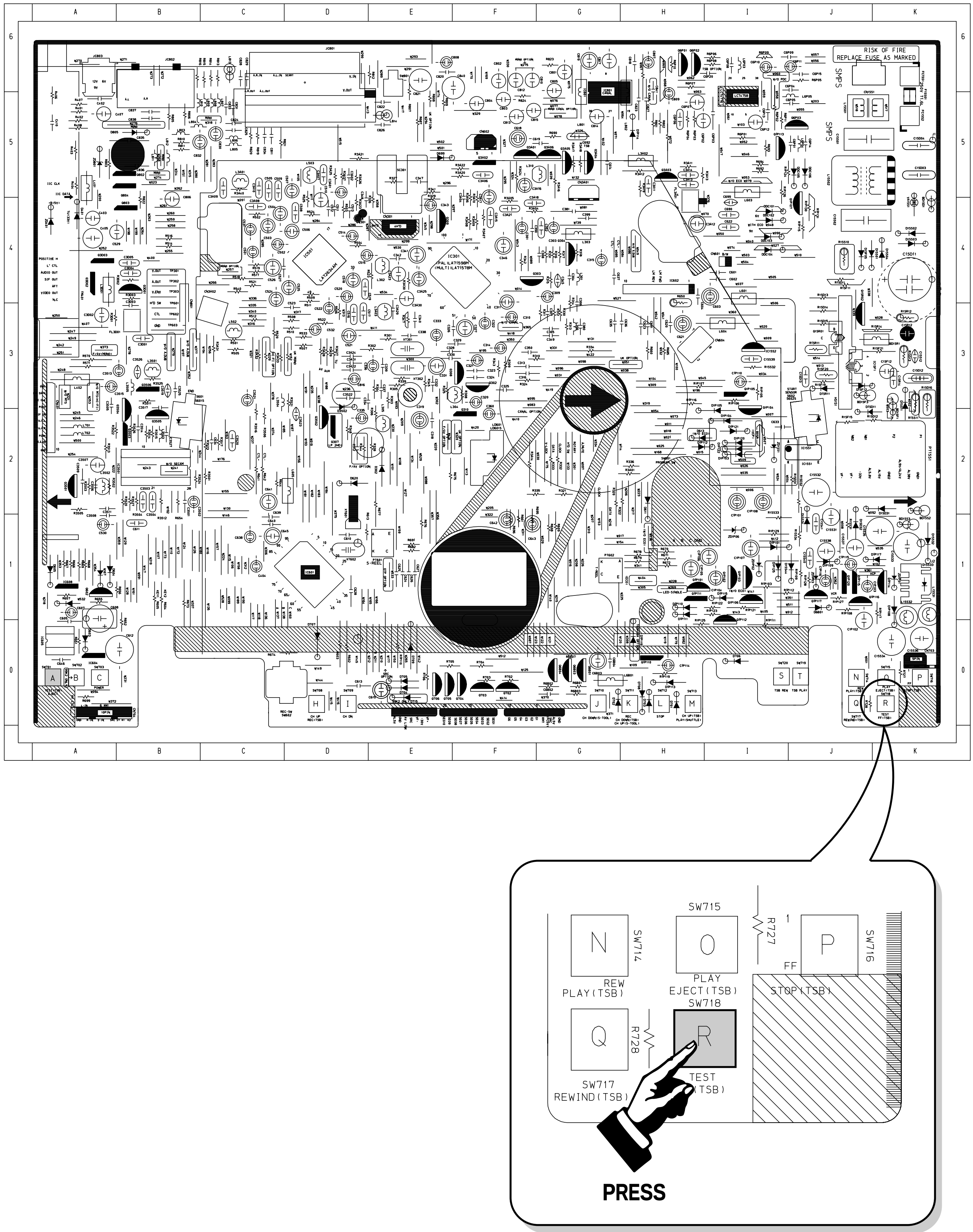


Fig. 2-2 Main PCB (Top View)

2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual “DX-9R (AC68-00001A)” for the adjustment and confirmation of ass’y full deck.

2-2-1 The number and position of test point

Test point :	TP601 (H’D S/W -Trigger)	TP301 (Video output)
	TP602 (Control Pulse)	TP302 (Audio output)
		TP303 (Envelope)

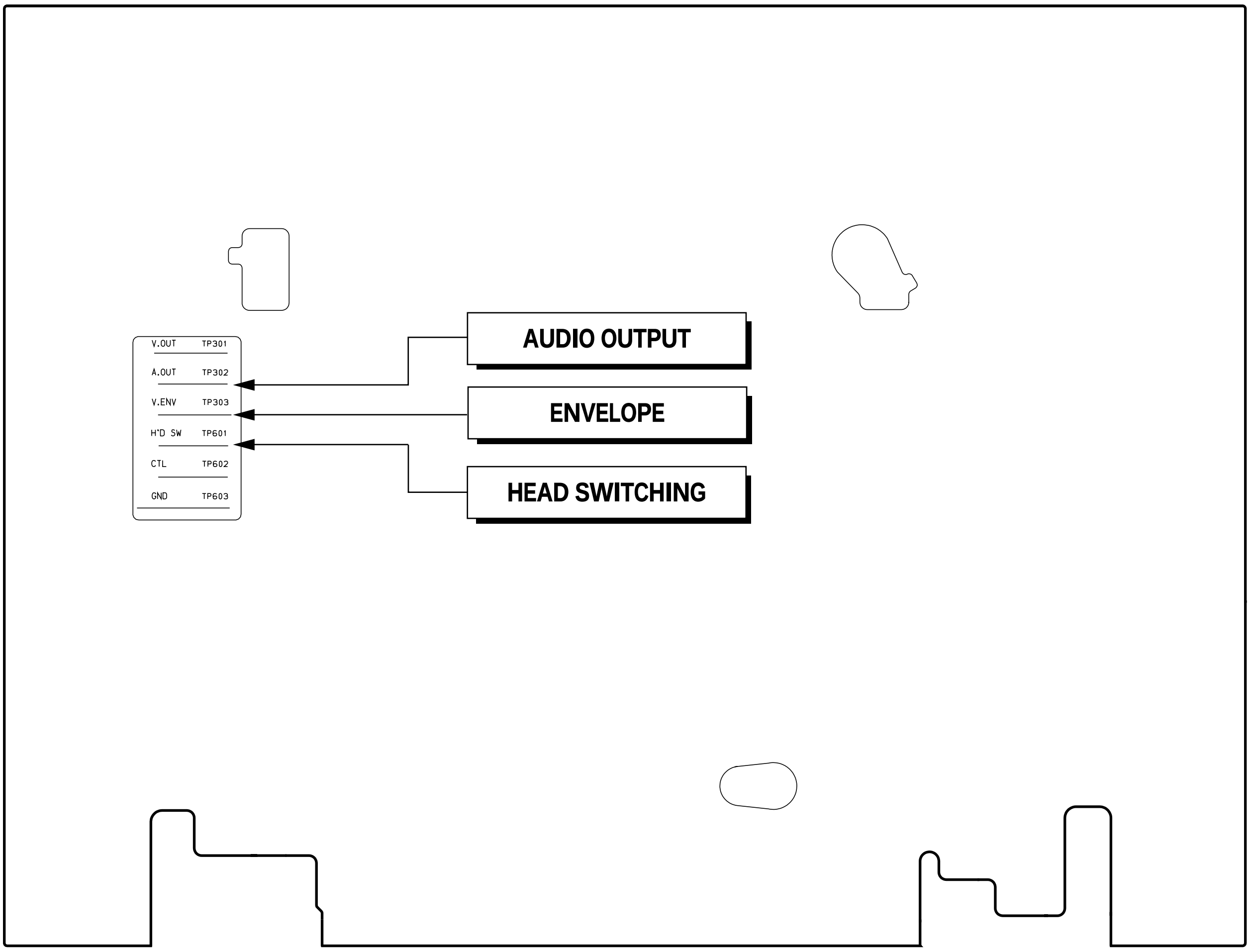


Fig. 2-3 Location of Test point (Main PCB-Top View)

2-2-2 ACE Head Position (X-Point) Adjustment

(See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

1) Playback the alignment tape (Color bar).
2) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “5” button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Connect the CH-1 probe to TP303 (Envelope) the CH-2 probe to TP601 (H’D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

2-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
3) Press the “SPEED” button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Turn the Power off.

2-4 NVRAM Option Setting

1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC605 ; EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

1) Press the “SW718 (TEST)” button on Main PCB to set the adjustment mode. (See Fig. 2-2)
2) Press the “MENU” button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 2-4)
3) Select the option number (See Table 2-1) of corresponding model with “FF” and “REW” button on the remote control.
4) If selecting the option number is completed, press the “PLAY” button of remote control. (If “PLAY” button is pressed, the selected number is changes reversed color. ; See Fig. 2-4)
5) Press the “OK” button of remote control again to store the option number. (“PLEASE WAIT” is displayed for a second as shown Fig. 2-5 and this setting is completed.)
6) Turn the Power off.

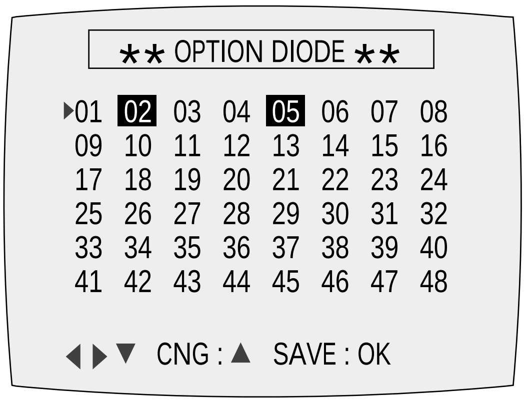


Fig. 2-4

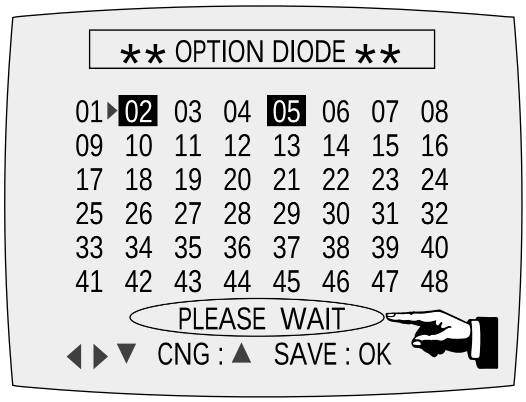


Fig. 2-5

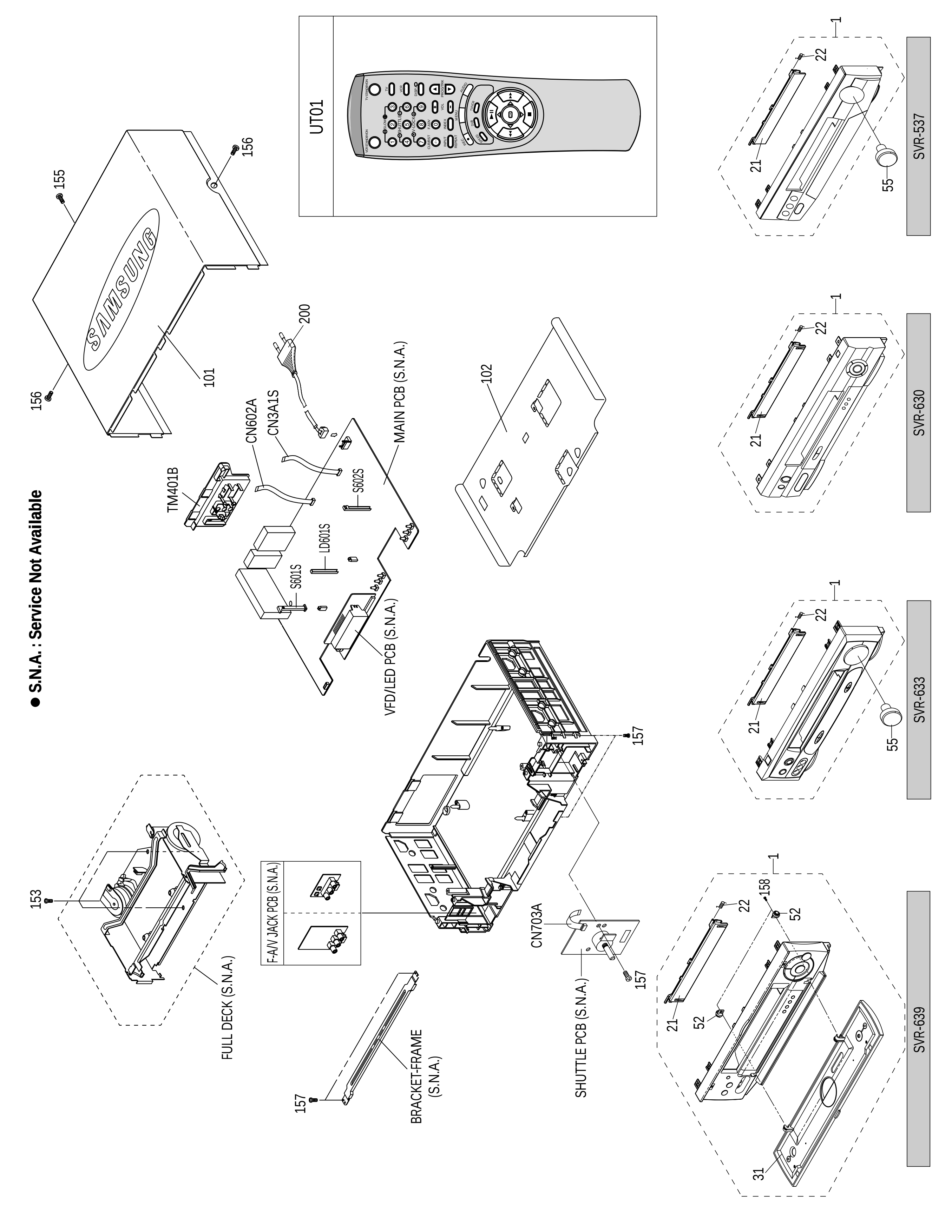
<Table 2-1>

MODELS	OPTION NUMBER
SVR-639	2, 6, 8, 11, 12, 13, 16, 18, 19, 20, 21, 22, 25, 30, 31, 32, 33, 37, 41, 44, 46, 50, 54
SVR-633	6, 8, 11, 12, 13, 17, 18, 22, 25, 30, 31, 32, 35, 41, 42, 44, 45, 46, 50, 54
SVR-630	8, 11, 12, 13, 17, 18, 22, 25, 30, 31, 32, 35, 37, 38, 41, 42, 46, 50, 54
SVR-537	9, 10, 11, 13, 17, 18, 20, 22, 30, 31, 32, 34, 39, 40, 42, 45

3. Exploded View and Parts List

Page

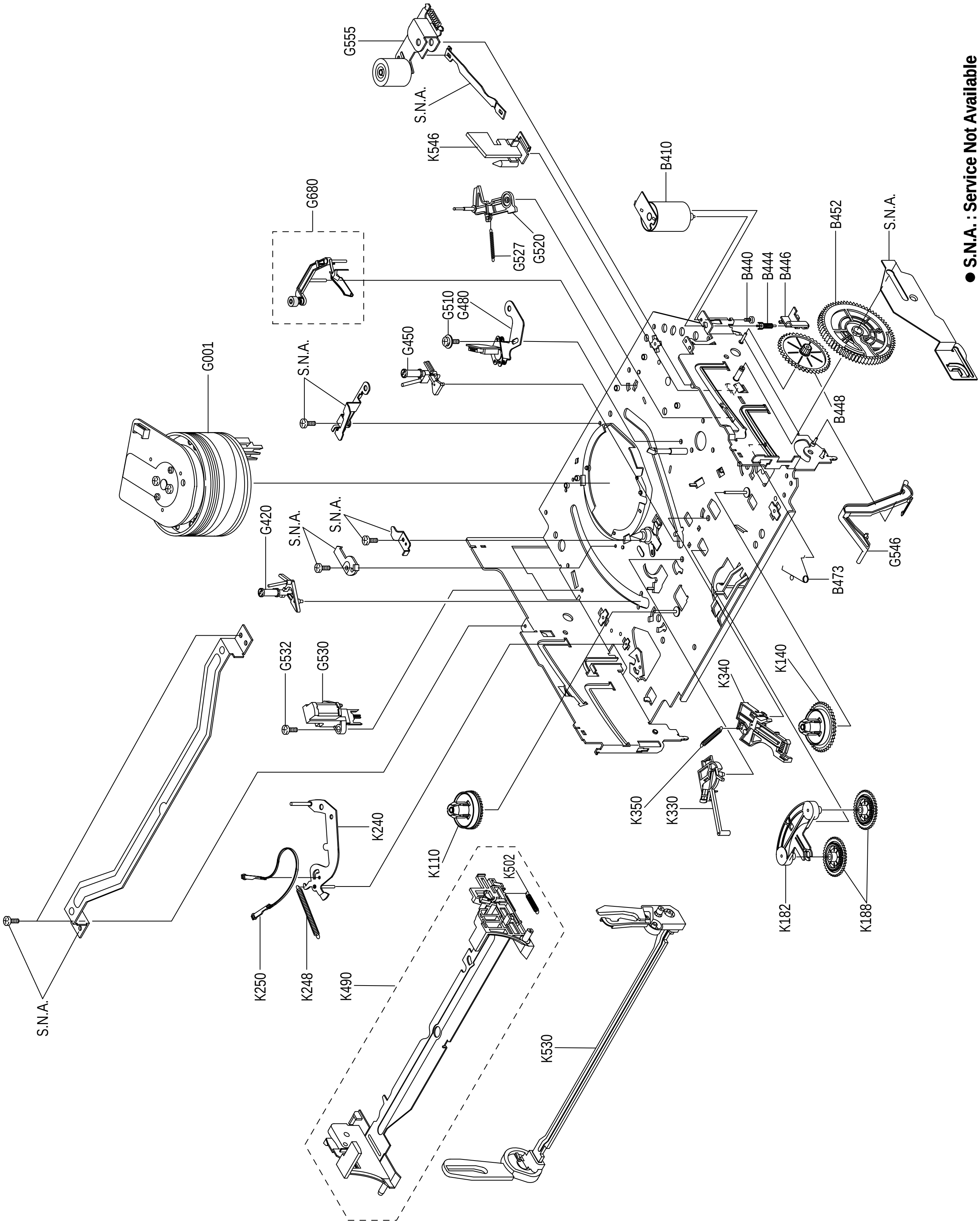
3-1 Cabinet Assembly



Loc. No	Parts No.	Description ; Specification	Remark
1	**Refer to table below**	ASSY-PANEL FRONT;HIPS 94HB	
21	**Refer to table below**	DOOR-CASSETTE	
22	AC61-62032A	SPRING-MASK;X-9,-,SUS,-,4.4,-,SV-C130	
31	AC64-00072R	DOOR FRONT-ASSY	SVR-639 ONLY
52	62664-0021-00	ASSY-DAMPER	SVR-639 ONLY
55	**Refer to table below**	KNOB-SHUTTLE-,ABS,-,94HB	
101	**Refer to table below**	CABINET-TOP;X-9,SECC,PCM,0.5,360*208*41,	
102	AC63-32128A	COVER-BOTTOM;SV-C140F,SECC,387.7X197.6	
153	AC60-12126A	SCREW-BH;-,BH,-,4*12,FE,FZY,-,-,-	
155	AC60-12134A	SCREW-TAP BH;-,BH,-,2-4X16,-,FE	
156	AC60-00001A	SCREW-MACINE;-,BH,*4X12,M4,L12,BLK,SMC	
157	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18	
158	AC60-00069A	SCREW-TAP;3X10,FE, FEY	
200	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-K	
CN3A1S	3809-001111	CABLE-FLAT;30V,80C,130mm,7P,1.25mm,UL289	
CN602A	3809-001049	CABLE-FLAT;30V,80C,100mm,5P,1.25mm,UL289	
CN703A	3809-001132	CABLE-FLAT;30V,80C,130mm,5P,1.25mm,UL289	SVR-633/537 ONLY
LD601S	AC61-21009A	HOLDER-LED;-,POM(M90-44),-,BLK,-,X-9	
S601S	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	
S602S	AC61-21008A	HOLDER-SENSOR;-,POM(M90-44),-,BLK,-,X-9	
TM401B	**Refer to table below**	CONNECTOR BOARD-ASSY;HIPS94	
UT01	**Refer to table below**	REMOCON-ASSY	

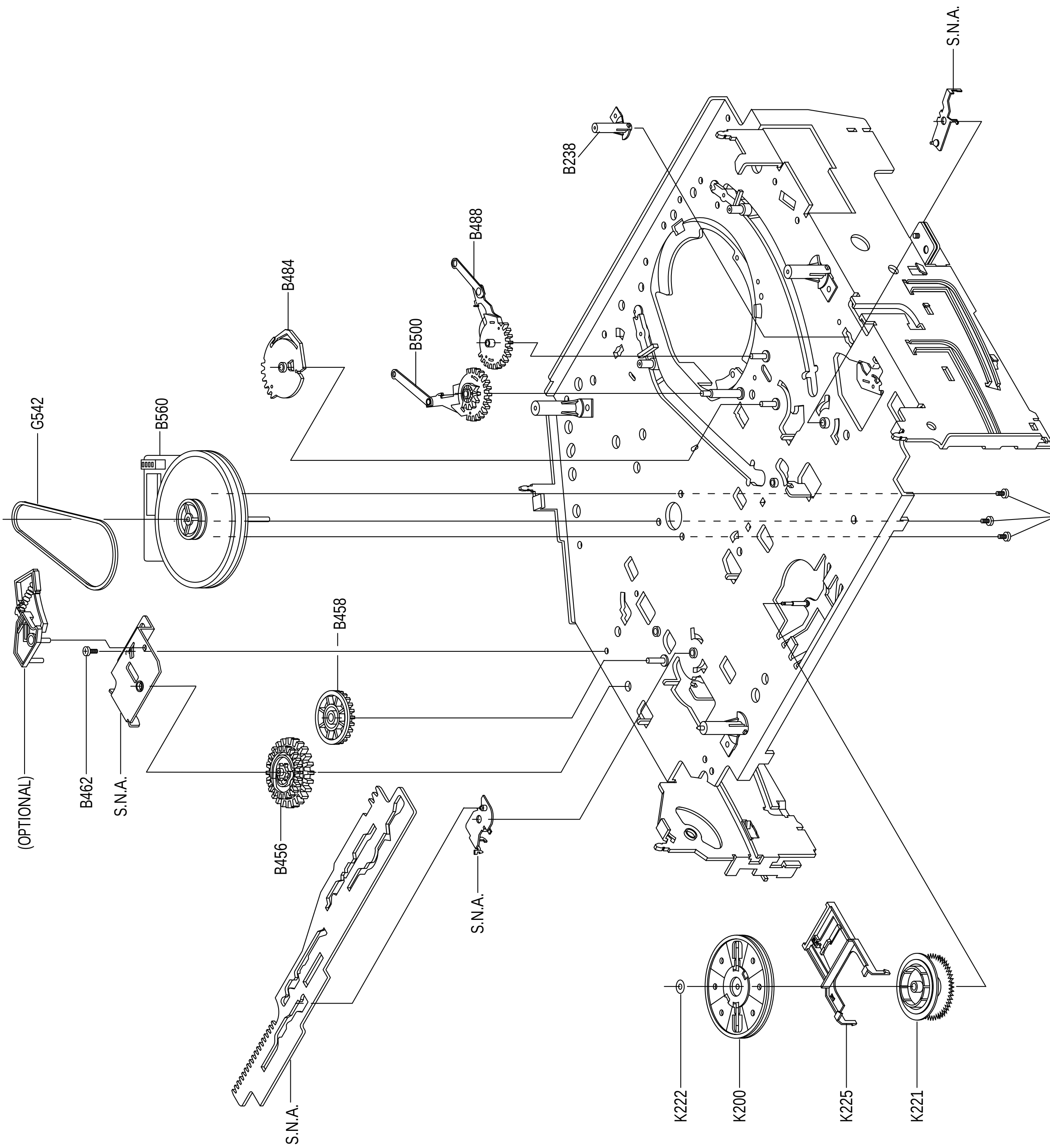
MODELS	1	21	55	101	TM401B	UT01
SVR-639	AC97-00243H	AC64-52158T	-	AC64-30899F	AC61-00060K	AC59-00010P
SVR-633	AC97-00871A	AC64-00203M	AC64-00319B	AC64-30899F	AC61-00060E	AC59-00016F
SVR-630	AC97-00621M	AC64-00177C	-	AC64-30899A	AC61-00060E	AC59-00016F
SVR-537	AC97-00621K	AC64-00069C	AC64-00336A	AC64-30899A	AC61-00060E	AC59-00013B

3-2 Mechanical Parts (Top Side)



Loc. No	Parts No.	Description ; Specification	Remark
B410	AC31-12016D	MOTOR-LOADING ASSY;-,SNHNE,-,-	
B440	AC60-10515A	SCREW-MACHINE;-,PH,+,-,M3,L3,ZPC,-,YEL	
B444	AC66-20571A	GEAR-WORM;-,POM SW-01,0.5,2,-,4.5,X-9	
B446	AC61-21005A	HOLDER-WORM;-,POM M90-44,-,-,-,X-9	
B448	AC66-20573A	GEAR-WORM WHEEL;-,POM SW-01,0.6,11,-,6.6	
B452	AC66-20575A	GEAR-FL CAM;-,POM SW-01,M0.6,Z88,-,PCD58	
B473	AC61-60559A	SPRING-PINCH DRIVE;-,TS,SUS304,PI0.5,OD4	
G001	AC97-00567A	ASSY-CYLINDER;CX-9T,SECAM 6HD/DLC	(SVR-639)
	AC97-00563A	ASSY-CYLINDER;CX-9T, PAL 6HD/DLC	(SVR-633/SVR-630)
	AC97-00559A	ASSY-CYLINDER;CX-9T, PAL 2HD(SP)HI-FI/DLC	(SVR-537)
G420	AC66-80142A	SLIDER-SUPPLY ASSY;-,X-9(TS),-,-,-,X-9	
G450	AC66-80141A	SLIDER-TAKE UP ASSY;-,X-9(TS),-,-,-,X-9	
G480	AC33-00003A	HEAD-ACE ASSY;SHINHEUNG;-,-,-,-,X-9	
G510	6006-001075	SCREW-ASSY TAPT;WSP,PH,+,M2.6,L5.0,ZPC	
G520	AC66-30539A	LEVER-#9 GUIDE ASSY;-,X-9(TS),-,-,-,X-9	
G527	AC61-60553A	SPRING-#9 GUIDE;-,ES,SUS304-WPB,OD3.1,0.	
G530	AC33-00002A	HEAD-FE;-,HVFHP0038A,-,-,-,X-9	
G532	AC60-10519A	SCREW-TAP TITE;-,PH,+,-,M2.6,L8,ZPC	
G546	AC66-30535A	LEVER-FL DOOR;-,POM M90-44,-,-,BLK,X-9	
G555	AC59-90403A	UNIT-PINCH ASSY;X-9,-	
G680	AC66-30557A	LEVER-H/CLEANER ASSY;-,POM+URETHANE,-,-	(OPTIONAL)
K110	AC66-10267A	REEL-DISK S;-,POM M90-44,-,-,X-9	
K140	AC66-10268A	REEL-DISK T;-,POM M90-44,-,-,X-9	
K182	AC66-30524A	LEVER-IDLER;-,POM9044,-,-,-,-	
K188	AC66-20577A	GEAR-IDLER;-,PEBAX 7033,-,-,-,-,X-9	
K240	AC66-30538A	LEVER-TENSION ASSY;-,X-9(TS),-,-,-,X-9	
K248	AC61-60554A	SPRING-TENSION LEVER;-,ES,SUS304-WPB,OD3	
K250	AC63-12029A	BAND-BRAKE ASSY;-,X-9(TS),-,-,-,X-9	
K330	AC66-30550A	LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K340	AC66-30549A	LEVER-T.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K350	AC61-60564A	SPRING-BRAKE;-,TENSION,SWP-A,0.25,3,-,X-	
K490	AC61-21010B	HOLDER-CASS ASSY;-,SECC+POM+SUS,-,-,-,X-	
K502	AC61-60561A	SPRING-FL.LEVER-LR;-,ES,SUS304 WPB,PI2.7	
K530	AC66-30546A	LEVER-FL.ARM ASS'Y;-,SECC+POM+SUS,-,-,-,	
K546	AC61-50658A	GUIDE-CASS. DOOR;-,POM M90-44,-,-,NTR,-,	

3-3 Mechanical Parts (Bottom Side)



● **S.N.A. : Service Not Available**

Loc. No	Parts No.	Description ; Specification	Remark
B238	AC61-50660A	SLEEVE-TENSION;-,POM M90-44,-,-,ID3,-,-,	
B456	AC66-20576A	GEAR-JOINT 1;-,POM SW-01,M1.0,Z22,-,PCD2	
B458	AC66-20574A	GEAR-JOINT 2;-,POM SW-01,M1.0,Z14,-,PCD1	
B462	AC60-10517A	SCREW-TAP TITE;-,PH,+,-,M2.6,L5,ZPC,-,YE	
B484	AC66-20580A	GEAR-LOADING DRIVE;-,POM SW-01,M1.0,Z32,	
B488	AC66-30543A	LEVER-S LOAD ASSY;-,-,-,-,-,X-9	
B500	AC66-30542A	LEVER-T LOAD ASSY;-,-,-,-,-,X-9	
B560	AC31-00005A	MOTOR-CAPSTAN;-,F2QSB02,-,-	
B570	AC60-10514A	SCREW-CAPSTAN;-,PH,+,M2.6,L6,-	
G542	AC66-60051A	BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
K200	AC61-21012A	HOLDER-CLUTCH ASSY;-,-,-,-,-,X-9	
K221	AC66-20581A	GEAR-CENTER ASSY;-,POM,M=O.5,-,HIGHT T.,	
K222	AC60-30306A	WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS	
K225	AC66-30547A	LEVER-UP DOWN ASSY;-,POM+SUS,-,-,-,X-9	

MEMO

4. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark
-	**-**	**ASSY-PCB-MAIN**	**S.N.A.**
S.M.P.S. PARTS			
BD1SD1	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
BD1SF3	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
BD1SR1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
BD1SS2	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SVR-537 NOT USED
BD1SS3	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
C1SD03	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD04	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD11	2401-003303	C-AL;82uF,20%,400V,GP,BK,22X30,10	
C1SD12	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,5	
C1SD13	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	
C1SF12	2401-001200	C-AL;33uF,20%,50V,WT,TP,6.3x11,5	
C1SS01	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS02	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS12	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1kV,Y5P,TP,7x4,	
C1SS31	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	SVR-537 NOT USED
C1SS33	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	2401-003478	C-AL;100UF,20%,25V,LZ,TP,8X11.5MM,5	
C1SS35	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C1SS37	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	SVR-639 ONLY
C1SS38	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	SVR-639 ONLY
C1SS39	2301-000129	C-FILM,PEF;100nF,5%,50V,TP,10X9X4.3X5,5m	
C1SS40	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	SVR-639 ONLY
CN1SS1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
D1SD11	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SD31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SD32	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	SVR-639 ONLY
D1SF05	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SF12	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SS01	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS02	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS03	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS04	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS11	0402-000276	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
D1SS31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	SVR-537 NOT USED
D1SS32	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP	
D1SS33	0404-000128	DIODE-SCHOTTKY;FMB-G14L,45V,5A,TO-220F,T	
D1SS44	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	SVR-639 ONLY
F1SS01	3601-001208	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS	⚠
IC1SF1	1203-001802	IC-PWM CONTROLLER;STR-G6551,TO-220F,5P,-	
IC1SS1	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	⚠
IC1SS2	AC14-12006D	IC;KA431Z,TO-92,TAPING	
L1SS02	AC29-30050C	FILTER-LINE NOISE;-,25MH,0.35A,AC250V,BS	⚠
L1SS31	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
L1SS32	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
PT1SS1	AC26-00004B	TRANS SWITCHING;-,-,-,-,DEMKO,-,0.65mH,-	⚠
R1SD12	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD13	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1SD14	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1SD15	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1SD16	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SD31	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SF11	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1SF15	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SF19	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SF20	2003-000105	R-METAL OXIDE;0.33ohm,5%,2W,AD,TP,6x16mm	

Loc.No	Part No	Description ; Specification	Remark
R1SF21	2001-000096	R-CARBON(S);1MOHM,5%,1/2W,AA,TP,2.4X6.4M	
R1SS10	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.	
R1SS11	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SS13	2003-000148	R-METAL OXIDE;100OHM,5%,2W,AE,TP,6X16MM	
R1SS31	2001-000440	R-CARBON;1OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SS32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SS33	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R1SS34	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
VA1SS1	1405-001026	VARISTOR;470V,600A,9x7mm,TP	⚠
POWER DRIVE PARTS			
C1P102	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C1P103	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P104	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P105	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P106	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P107	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C1P108	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P110	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	SVR-537 NOT USED
C1P115	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P116	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
D1P101	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P103	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P105	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	SVR-537 NOT USED
D1P108	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P109	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P113	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P117	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P120	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D1P125	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
Q1P101	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P102	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P103	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P104	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	SVR-537 NOT USED
Q1P105	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	SVR-537 NOT USED
Q1P114	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P115	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P116	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P117	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
R1P103	2001-000034	R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P105	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-537 NOT USED
R1P106	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	SVR-537 NOT USED
R1P107	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-537 NOT USED
R1P108	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P109	2001-000038	R-CARBON;390OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P110	2001-000038	R-CARBON;390OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P111	2001-000110	R-CARBON;10OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P112	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P117	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P127	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P128	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P131	2001-000044	R-CARBON;1.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
ZD1P01	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
ZD1P02	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P03	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	

Loc.No	Part No	Description ; Specification	Remark
SYSTEM CONTROL/SERVO PARTS			
C601	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C602	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C603	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C604	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C605	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C607	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C608	2401-002259	C-AL;0.1F,+80-20%,5.5V,-,TP,12.5x11	SVR-537 NOT USED
C610	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C611	2301-000392	C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	
C612	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C614	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C618	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C619	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C620	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C621	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C622	2301-000471	C-FILM,PEF;68nF,5%,50V,TP,9x12x4.5mm,5mm	
C623	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C624	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C625	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	
C626	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	SVR-537 NOT USED
C627	2202-000205	C-CERAMIC,MLC-AXIAL;22pF,5%,50V,SL,TP,1.	SVR-537 NOT USED
C628	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C633	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C634	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C635	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C636	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
C637	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C638	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C639	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C640	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C641	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C643	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C645	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C646	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C691	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C692	2301-000471	C-FILM,PEF;68nF,5%,50V,TP,9x12x4.5mm,5mm	
CN601	AC39-20817S	LEAD CONNECTOR-ASSY;DP,SMH200-02,YBH200-	
CN602	3708-001163	CONNECTOR-FPC/FC/PIC;5P,1.25mm,STRAIGHT,	
CN604	3711-003749	CONNECTOR-HEADER;BOX,8P,2R,2mm,STRAIGHT,	
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D604	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D611	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D613	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D620	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D6B01	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	SVR-633/537 ONLY
IC601	AC09-00091A	IC MCU;784928GF-A05-3BA,N120-A05-3BA,	SVR-639
IC601	AC09-00089A	IC-MICOM;uPD784927GF-159-3BA,784927GF-1	SVR-633/630
IC601	AC09-00102A	IC-MICOM;uPD784927GF-153-3BA,784927GF-1	SVR-537
IC602	1003-001162	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D	
IC604	AC14-12006C	IC;KA7533,DIP,-	
IC605	1103-001150	IC-EEPROM;24C081,8KBIT,DIP,8P,300MIL,10M	SVR-639
IC605	1103-001148	IC-EEPROM;24C021,2KBIT,DIP,8P,300MIL,10M	SVR-633/630/537
IC608	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	SVR-537 NOT USED
L601	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L603	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L604	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L605	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LD601	0601-000517	LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
PT601	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,	
PT602	0604-001122	PHOTO-INTERRUPTER;TR,0.065%,150mW,DIP-4,	
Q602	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-537 NOT USED
R641	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R642	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R650	2003-000259	R-METAL OXIDE;3.9OHM,5%,2W,AE,TP,6X16MM	
R651	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R652	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-537 NOT USED
R654	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R655	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R656	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R657	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-537 NOT USED
R660	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R661	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R666	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R667	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R668	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R669	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R670	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R671	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R672	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R673	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R674	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R675	2001-000032	R-CARBON;180OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R676	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R677	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R678	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R679	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R685	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R687	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R690	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R691	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R692	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R693	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R694	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R699	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
S601	0603-001011	PHOTO-TR;NPN,35V,6V,50mA,75mW,BK	
S602	0603-001011	PHOTO-TR;NPN,35V,6V,50mA,75mW,BK	
SW601	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
SW602	AC34-20100B	SWITCH-REC;-,-,X-9,-	
W072	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
W167	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
W229	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
W421	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	SVR-639/633 ONLY
W532	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XT601	2801-003318	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5	SVR-537 NOT USED
XT602	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80oh	
AUDIO/VIDEO PARTS			
C301	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
C302	2301-000283	C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5	
C303	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C304	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP,	
C305	2202-000164	C-CERAMIC,MLC-AXIAL;.18NF,10%,50V,Y5P,TP	
C306	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C307	2202-000162	C-CERAMIC,MLC-AXIAL;.015NF,5%,50V,SL,TP,	
C308	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C309	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C310	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C311	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C312	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	SVR-639/633 ONLY
C313	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C314	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C315	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	

Loc.No	Part No	Description ; Specification	Remark
C316	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C318	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C320	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C321	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C322	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C323	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C324	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C325	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C326	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C327	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C328	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C329	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C330	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C331	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C332	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C333	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C334	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C335	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C336	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C337	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C338	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C339	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C340	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C341	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C342	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C345	2201-002031	C-CERAMIC,DISC;0.005nF,0.5pF,50V,NP0,TP,	
C346	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C347	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C348	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C349	2202-000849	C-CERAMIC,MLC-AXIAL;18pF,5%,50V,CH,TP,3.	
C350	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C360	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	SVR-639/633 ONLY
C380	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C381	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C390	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C399	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A01	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5	
C3A02	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A04	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A06	2301-000392	C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	SVR-639/537 ONLY
C3A07	2301-000392	C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	
C3A08	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A09	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A10	2301-000314	C-FILM,PEF;8.2nF,5%,50V,TP,6.5x3.0x5.5mm	
C3A11	2301-000392	C-FILM,PEF;15nF,5%,50V,TP,6.5x8.5x3.2mm,	SVR-639/633
C3A11	2301-000253	C-FILM,PEF;39NF,5%,100V,TP,7.5X4.5X12.5M	SVR-630/537
C3A12	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C3A13	2301-000161	C-FILM,PEF;12nF,5%,50V,TP,6.5X5.5X3.0X5,	
C3A14	2301-001014	C-FILM,PEF;6.8nF,5%,50V,TP,7x3x6,5mm	
C3A15	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3A16	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C3A17	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A18	2301-000402	C-FILM,PEF;1nF,5%,50V,TP,5x7x2.8mm,5mm	
C3A21	2301-000008	C-FILM,PEF;2.2nF,5%,50V,TP,5.5X7X3,5mm	
C3A23	2401-002068	C-AL;33uF,20%,16V,GP,TP,5x11,5	
C3A24	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A25	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C3A29	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3A30	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C3D01	2301-000283	C-FILM,PEF;47nF,5%,100V,TP,7.3X7X3.2X5,5	SVR-639/633 ONLY
C3D02	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	SVR-639/633 ONLY
C3D03	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	SVR-639/633 ONLY
C3D04	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	SVR-639/633 ONLY
C3D05	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	SVR-639/633 ONLY
CN301	3708-000391	CONNECTOR-FPC/FC/PIC;10P,1.25MM,STRAIGHT	
CN3A01	3708-001302	CONNECTOR-FPC/FC/PIC;7P,1.25mm,STRAIGHT,	
CN3A02	3711-002445	CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGH	
D302	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
FL3A01	AC27-80100A	COIL-OSC;126QN-K5272YHC=K,-,AM	
FL3D01	AC27-82001C	COIL-BIAS OSC;B02,W(TOKO)VX1850,-	SVR-639/633 ONLY
IC301	1204-001648	IC-VIDEO PROCESS;LA71578M,QFP,100P,-,PLA	SVR-639/537
IC301	1204-001649	IC-VIDEO PROCESS;LA71598M,QFP,100P,-,PLA	SVR-633/630
L301	2701-000206	INDUCTOR-AXIAL;56uH,5%,2.4x3.4mm	
L302	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L304	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L305	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L306	2701-000119	INDUCTOR-AXIAL;120uH,5%,2.4x3.4mm	
L310	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A01	2702-000120	INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm	
L3A02	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L3A03	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3D01	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	SVR-639/633 ONLY
Q302	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q303	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q304	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q308	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q309	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q3A01	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A02	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	SVR-639/537 ONLY
Q3A03	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A04	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A05	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	
Q3A06	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3D01	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-9	SVR-639/633 ONLY
Q3D02	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	SVR-639/633 ONLY
Q3D03	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	SVR-639/633 ONLY
R301	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R302	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R304	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R305	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-633/630 ONLY
R306	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R308	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R309	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R311	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R312	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R313	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R314	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R315	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R316	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R317	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R318	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R320	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R325	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R326	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R328	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R329	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R330	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R331	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R332	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R333	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R334	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R335	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R336	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R339	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-639/537 ONLY
R341	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R342	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R344	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY

Loc.No	Part No	Description ; Specification	Remark
R3A01	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A05	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A06	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A07	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A08	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A09	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A10	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A11	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A12	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A13	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A14	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A17	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A18	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A19	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A20	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/537 ONLY
R3A21	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A22	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A23	2001-000800	R-CARBON;5.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A24	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A25	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A26	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A28	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A30	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A37	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A40	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3D01	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY
R3D02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY
R3D03	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY
XT301	2801-001397	CRYSTAL-UNIT;4.433619MHZ,HC-49/U-S 15PPM	
XT302	2801-003399	CRYSTAL-UNIT;3.579545MHz,15ppm,28-AAA,S,	SVR-639/537 ONLY
TM-BLOCK			
C402	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C403	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C404	2401-001085	C-AL;330nF,20%,50V,GP,-,5x9,2mm	
C405	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C407	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C410	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
D401	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
L401	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
R401	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R402	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R403	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R404	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-537 NOT USED
R406	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R407	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R408	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
TM401	AC40-00001G	TM-BLOCK;TCMK0600PD11A,G/I/K(MONO),TCMK	SVR-639/633/630
TM401	AC40-20100L	RF-MODULATOR;RMUP74055VC,VCP PAL	SVR-537
ZD401	0403-000390	DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO-	
HI-FI PARTS			
C501	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C502	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C503	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C504	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C505	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C506	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C507	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C508	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C509	2301-000423	C-FILM,PEF;3.3NF,5%,100V,TP,7X10X4.5MM,5	
C510	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C511	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C512	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
C513	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C514	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C515	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C516	2301-000423	C-FILM,PEF;3.3NF,5%,100V,TP,7X10X4.5MM,5	
C517	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C518	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C519	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C520	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C521	2401-000918	C-AL;22uF,20%,16V,GP,-,6.3x7,5	
C522	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C523	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C524	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C525	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C526	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C527	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C529	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C530	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
IC501	1204-001479	IC-AUDIO PROCESSOR;LA72634AM,QFP,64P,400	
L502	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L503	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
R501	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R503	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R504	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R505	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R506	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R507	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY
R508	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-639/633 ONLY
R509	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R510	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R512	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R514	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R516	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R517	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R518	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R519	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SVR-639/633 ONLY
R520	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639/633 ONLY
R523	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R524	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R525	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R570	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R571	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
OSD PARTS			
C6P01	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C6P02	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6P03	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P04	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP,	
C6P05	2202-000216	C-CERAMIC,MLC-AXIAL;.027NF,5%,50V,SL,TP,	
C6P08	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C6P09	2202-000145	C-CERAMIC,MLC-AXIAL;.12NF,10%,50V,Y5P,TP	
C6P10	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P11	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P12	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6P13	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C6P14	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
IC6P01	AC09-00078A	IC-OSD;LC74759JM-9785,LC74759JM-9785,	SVR-639/633/630
IC6P01	AC09-10458R	IC-MCU;LC74783JM-9745,24P,MFP,OSD IC,-	SVR-537
L6P03	2701-000160	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	
L6P04	2701-000201	INDUCTOR-AXIAL;5.6uH,5%,2.4x3.4mm	
L6P05	2701-000165	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
Q6P01	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P03	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
R6P05	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-537 NOT USED

Loc.No	Part No	Description ; Specification	Remark
R6P07	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P08	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R6P09	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6P11	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
SECAM PARTS (SVR-639 ONLY)			
C3S01	2202-000164	C-CERAMIC,MLC-AXIAL;.18NF,10%,50V,Y5P,TP	
C3S02	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
C3S03	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3S04	2301-000381	C-FILM,PEF;10nF,5%,50V,TP,6.5x5.5x3mm,5m	
C3S05	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3S06	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
C3S07	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C3S08	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3S09	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C3S11	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C3S13	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C3S14	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C3S15	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C3S17	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C3S19	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	
C3S20	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
C3S21	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C3S22	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C3S23	2201-000941	C-CERAMIC,DISC;51pF,5%,50V,SL,TP,5x3,5	
C3S25	2202-000787	C-CERAMIC,MLC-AXIAL;10PF,5%,50V,Y5P,TP,3	
C3S27	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
D3S02	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
IC3S01	1204-001437	IC-CHROMA;LA7359,DIP,28P,400MIL,PLASTIC,	
L3S01	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3S02	2702-000179	INDUCTOR-RADIAL;6.8uH,5%,6x6.4mm	
L3S03	2701-000165	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
L3S04	2701-000195	INDUCTOR-AXIAL;47uH,5%,2.4x3.4mm	
Q3S01	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3S02	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q3S03	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q3S04	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q3S05	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
R3S01	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S02	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S03	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S04	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S05	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S11	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S12	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S13	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S14	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S15	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S16	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S17	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S20	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S21	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S22	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S23	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S24	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3S26	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3S27	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M	
INPUT-OUTPUT PARTS			
C816	2401-001074	C-AL;330nF,20%,50V,GP,TP,4x5,2.5mm	
C821	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C822	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C828	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C829	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
C830	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C831	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	

Loc.No	Part No	Description ; Specification	Remark
C832	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C833	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C837	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C838	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C841	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
D805	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	SV639 ONLY
JC801	3710-000482	CONNECTOR-SOCKET;21P,-,-,ANGLE,SN	SVR-639 ONLY
JC802	AC37-22002E	JACK-PIN;3.5MM,DPAE9634,2P,TR,-	SVR-639 ONLY
JC802	AC37-20001G	JACK-RCA;DPAE-,6P,HIFI,PI3.3	SVR-633/630/537
L803	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L804	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L807	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L808	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L809	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L810	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L813	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	
L814	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SVR-639 ONLY
Q802	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	SVR-639 ONLY
Q804	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	SVR-639 ONLY
R803	2001-000116	R-CARBON;820OHM,5%,1/4W,AA,TP,2.4X6.4MM	SVR-639 ONLY
R805	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R806	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R807	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R812	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R813	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R814	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R815	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R816	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
FUNCTION MATRIX PARTS			
CN703	3708-001163	CONNECTOR-FPC/FC/PIC;5P,1.25mm,STRAIGHT,	SVR-633/537 ONLY
CN704	3711-004415	CONNECTOR-HEADER;3WALL,11P,1R,2mm,STRAIG	SVR-639/633 ONLY
D701	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D702	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D704	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D705	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D706	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D707	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D709	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D715	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
L701	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	SVR-639/633 ONLY
L702	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	SVR-639/633 ONLY
R702	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639 NOT USED
R703	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639 NOT USED
R704	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639 NOT USED
R705	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639 NOT USED
R706	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SVR-639 NOT USED
R727	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R728	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SW701	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW702	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW703	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW708	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW709	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW701	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW701	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW710	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW711	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW712	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW713	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW714	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW715	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW716	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW717	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	

Loc.No	Part No	Description ; Specification	Remark
SW718	3404-001076	SWITCH-TACT;12V,50mA,16gf+-50gf,6x6mm,SP	
SW719	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
-	**-**	**ASSY-PCB-VFD;AVLINK,SVR-639**	**SVR-639**
C701	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C706	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C707	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C708	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C711	2202-000789	C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3.	
C712	2202-000789	C-CERAMIC,MLC-AXIAL;12PF,5%,50V,SL,TP,3.	
CN701	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
CN702	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
DT701	AC07-20051C	VF-DISPLAY;SVV-07SS27,15SEG,20.5X75.0,SV	
IC701	AC09-00092A	IC MCU;uPD780232GC-014-8BT,uPD780232G	
L701	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
R706	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R708	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
XT701	2801-003868	CRYSTAL-UNIT;5MHz,30ppm,28-AAA,12pF,100o	
ZD701	0403-000509	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
ZD702	0403-001141	DIODE-ZENER;MTZJ24D,24V,23.63-24.85V,500	
-	**-**	**ASSY-PCB-LED-M;LED-MODULE,SVR-633/630**	**SVR-633/630**
C701	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C702	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C703	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
CN701	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
CN702	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
DT701	0703-001096	LED DISPLAY;AMB,6,10,50x22.5mm	
Q701	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q707	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q708	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q709	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q710	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q711	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q712	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q713	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q714	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q715	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
Q716	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
R701	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R707	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R708	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R711	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R712	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R713	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R714	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R715	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R716	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R717	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R718	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R719	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R720	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R721	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R722	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R723	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R724	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R725	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R726	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R731	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RM701	AC59-60060A	MODULE-REMOCON;GP1U281R,SHARP,38KHZ,-,-,	

Loc.No	Part No	Description ; Specification	Remark
-	**-**	**ASSY PCB-F/TIMER;LED-LAMP, SVR-537**	**SVR-537**
C701	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C703	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
CN701	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
CN702	3711-001198	CONNECTOR-HEADER;NOWALL,10P,1R,2mm,ANGLE	
D706	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
DT701	AC61-21029A	HOLDER-LED;-,ABS94,HB,BLK,-,SVK-C17GV	
LD702	0601-001201	LED;ROUND,RED,3mm,635nm	
LD703	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
LD704	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
LD705	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
LD706	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
LD707	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
LD709	0601-000497	LED;ROUND,GRN,3.1mm,565nm	
Q709	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q710	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q711	0501-000290	TR-SMALL SIGNAL;KSA643-Y,PNP,500mW,TO-92	
R708	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R711	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R712	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R713	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R715	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R716	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R721	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R722	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R723	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R731	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RM701	AC59-60060A	MODULE-REMOCON;GP1U281R,SHARP,38KHZ,-,-,	
-	**-**	**ASSY-PCB-F/AV;F-A/V, SVR-639**	**SVR-639**
C703	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C704	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
C717	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C730	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
C731	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP,1	
CN705	3710-001564	CONNECTOR-SOCKET;11P,1R,2mm,ANGLE,SN	
CN706	AC39-20817T	LEAD CONNECTOR-ASSY;DP,YBNH200-03,YBST20	
JC701	AC37-00006A	JACK—PIN;3.2MM,DPSE-9872,3P,ARREY,10MM	
L702	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
R731	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RM701	AC59-60060A	MODULE-REMOCON;GP1U281R,SHARP,38KHZ,-,-,	
SW701	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW703	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
-	**-**	**ASSY-PCB-F/AV;F-A/V, SVR-633**	**SVR-633**
C701	2201-000281	C-CERAMIC,DISC;1nF,+80-20%,50V,Y5V,TP,5x	
C702	2201-000281	C-CERAMIC,DISC;1nF,+80-20%,50V,Y5V,TP,5x	
CN705	3710-001564	CONNECTOR-SOCKET;11P,1R,2mm,ANGLE,SN	
JC701	AC37-22002G	JACK-PIN;3.2mm,DPSE-9813,3P,13mm,ARREY	
SW706	3404-001008	SWITCH-TACT;15V,20mA,160gf,6x7.9x3.5mm,D	
SW707	3404-001008	SWITCH-TACT;15V,20mA,160gf,6x7.9x3.5mm,D	
-	**-**	**ASSY-PCB-SUB;SHUTTLE,SVR-633**	**SVR-633**
CN707	3708-001164	CONNECTOR-FPC/FC/PIC;5P,1.25MM,ANGLE,SN	
SH701	2101-000101	VR-ROTARY;100Kohm,20%,1/10W,SIDE	
-	**-**	**ASSY PCB-SHUTTLE;SHUTTLE, SVR-537**	**SVR-537**
CN707	3708-001164	CONNECTOR-FPC/FC/PIC;5P,1.25MM,ANGLE,SN	
SH702	2101-000101	VR-ROTARY;100Kohm,20%,1/10W,SIDE	

5. Schematic Diagrams

Note

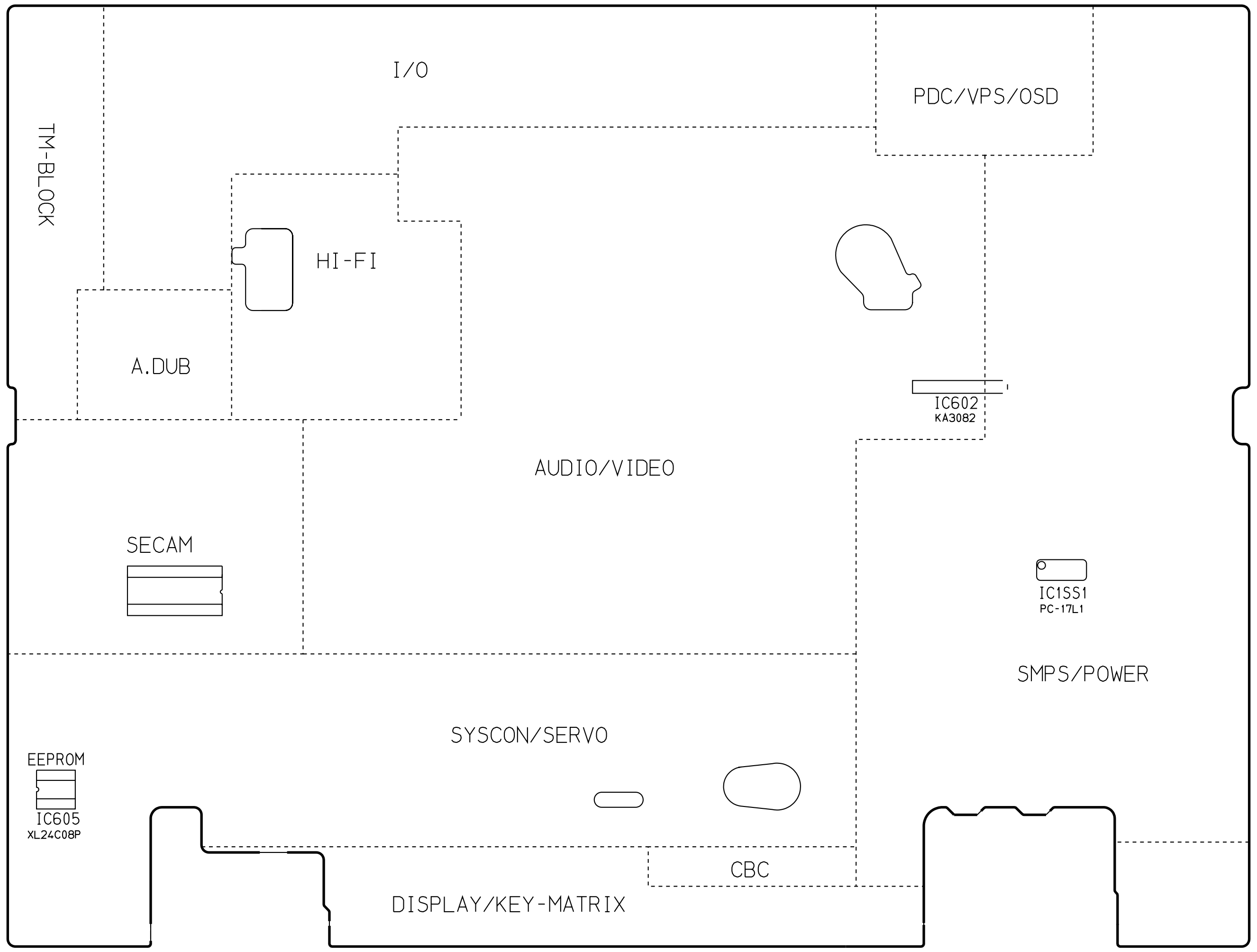
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

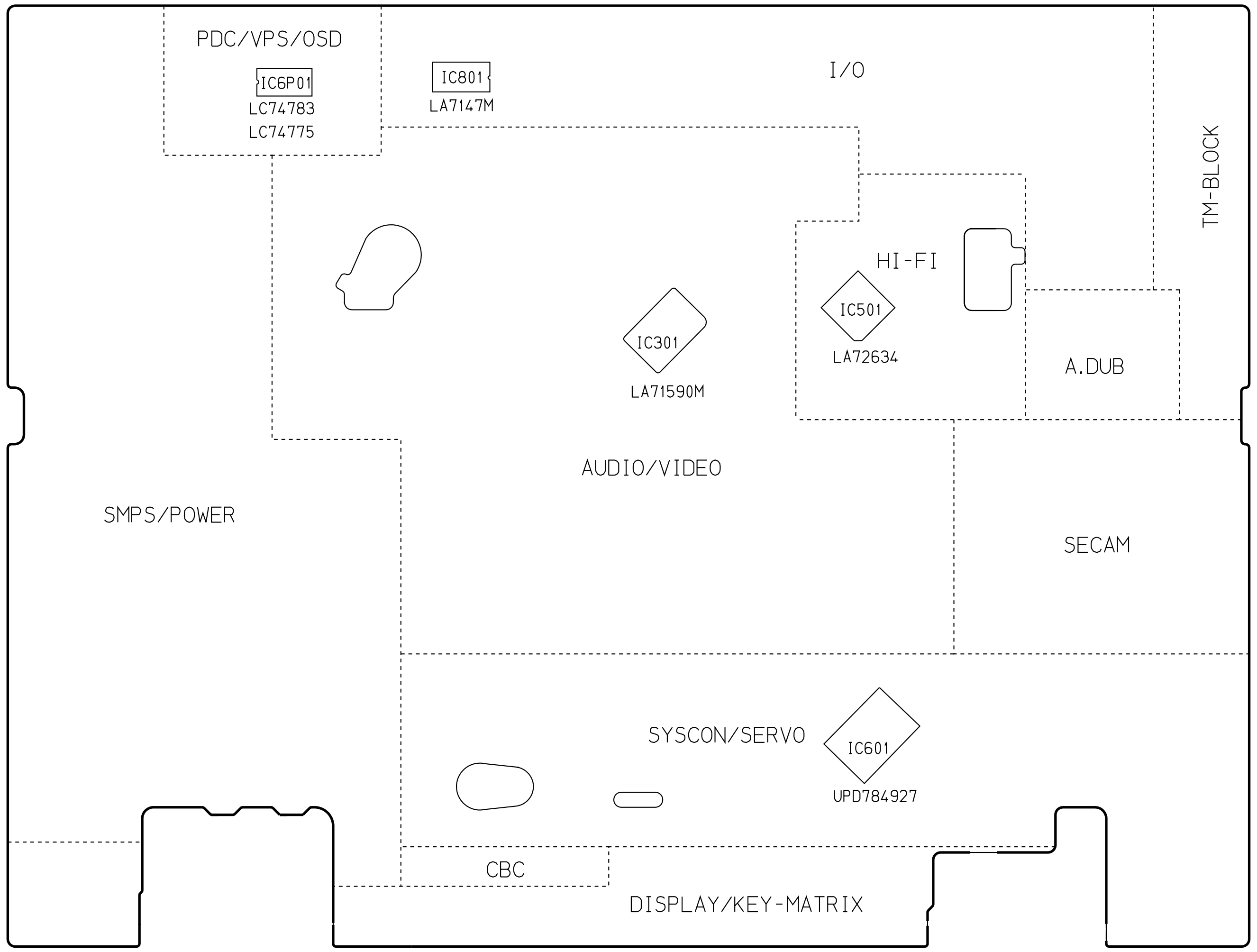
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

Block Identification of Main PCB

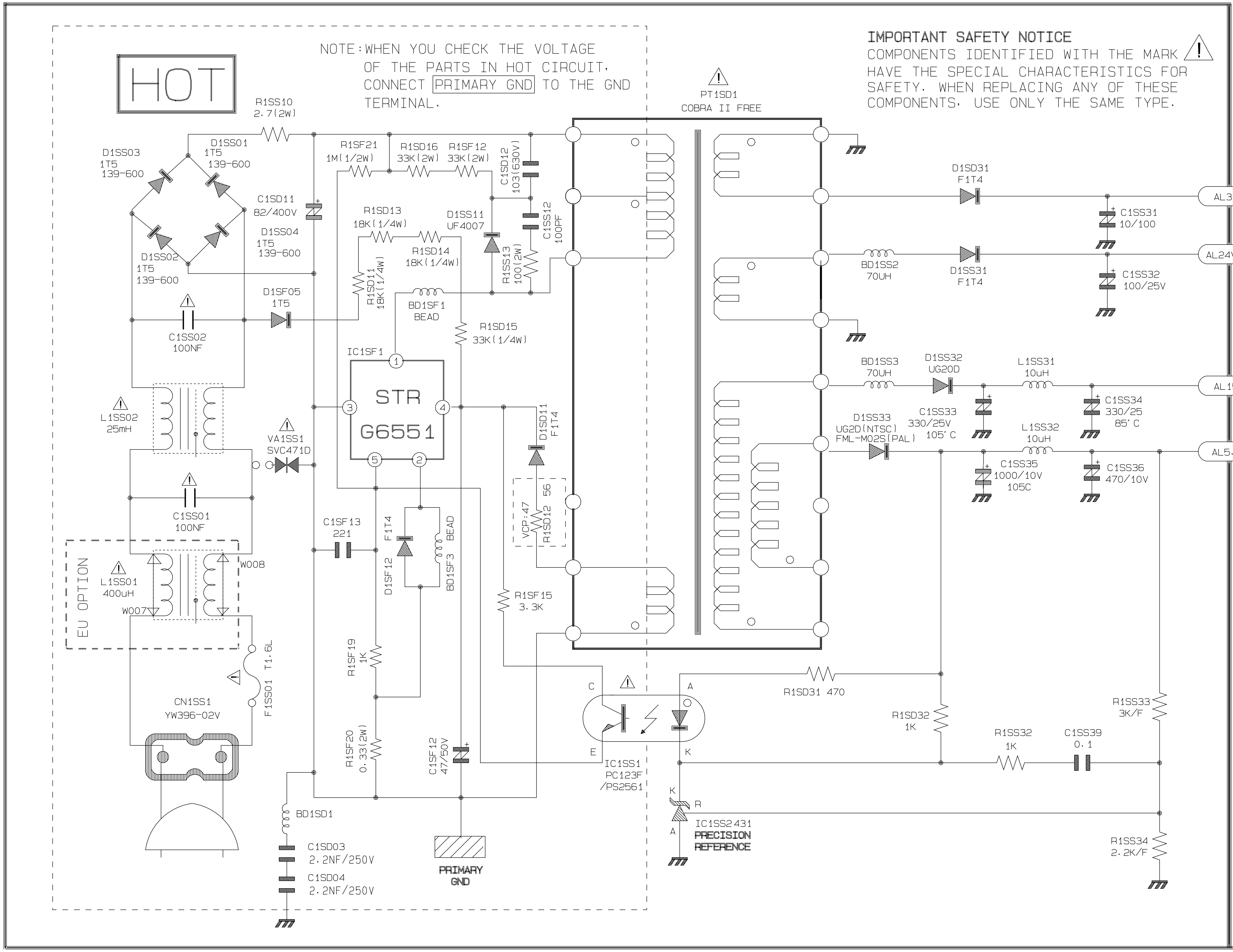


Component Side



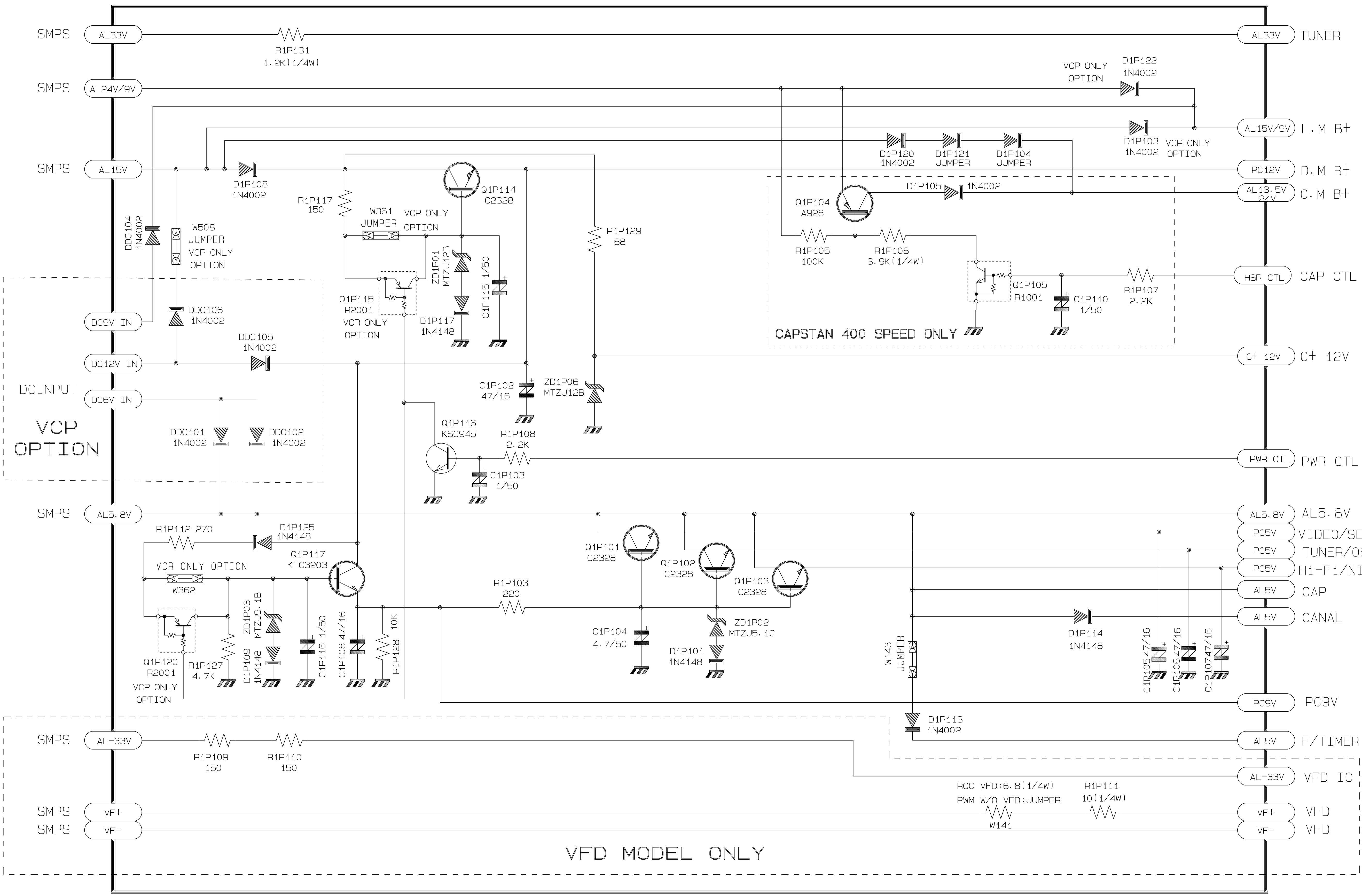
Conductor Side

5-1 S.M.P.S.

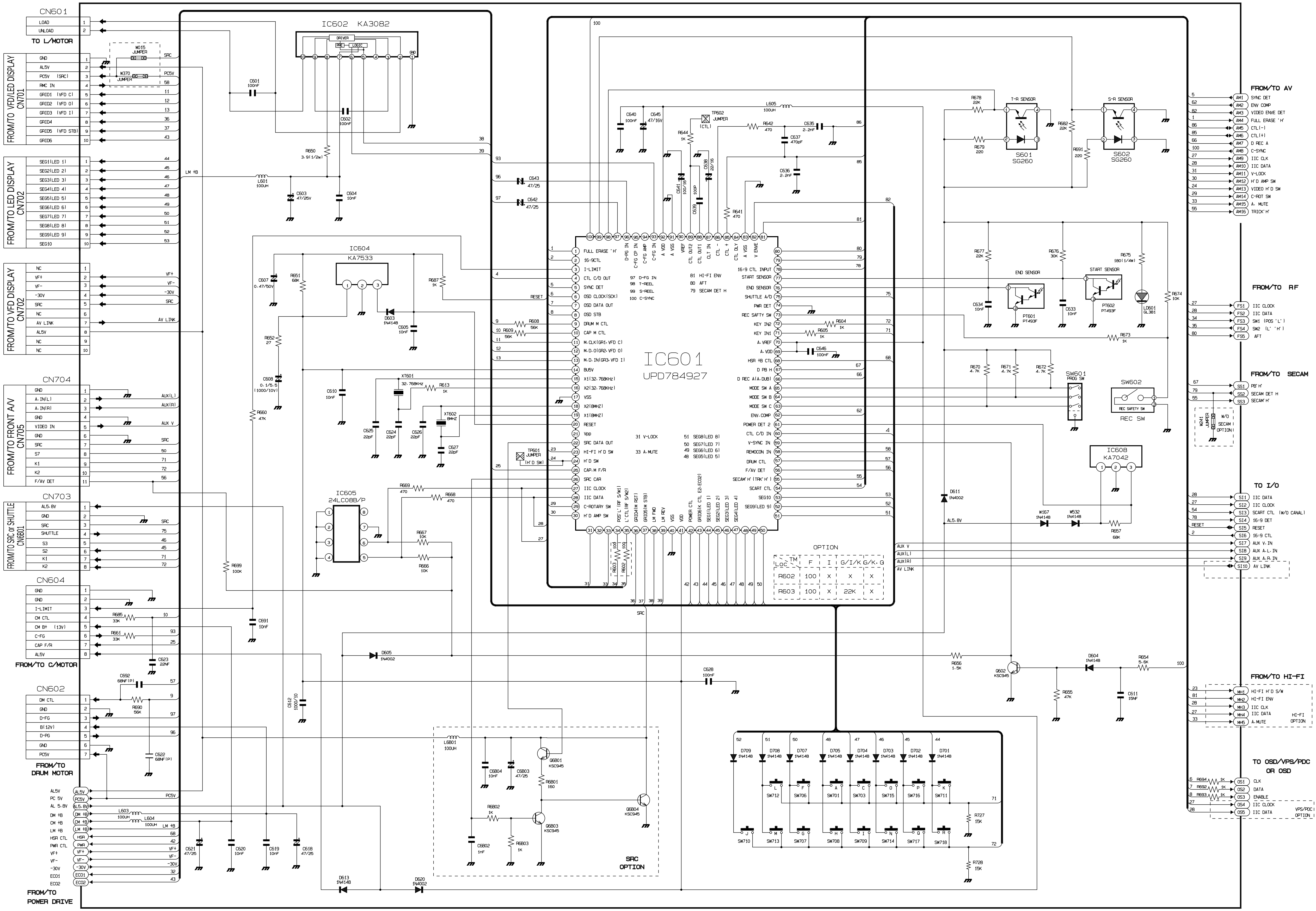


HOT
NOTE:WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
PT1SD1
COBRA II FREE
R1SS10 2.7(2W)
D1SS03 1T5 139-600
D1SS01 1T5 139-600
D1SS02 1T5 139-600
D1SS04 1T5 139-600
C1SD11 82/400V
R1SF21 1M(1/2W)
R1SD16 33K(2W)
R1SF12 33K(2W)
C1SD12 103(630V)
C1SS12 100PF
R1SD13 18K(1/4W)
R1SD14 18K(1/4W)
D1SS11 UF4007
R1SS13 100(2W)
R1SD11 18K(1/4W)
BD1SF1 BEAD
R1SD15 33K(1/4W)
D1SF05 1T5
C1SS02 100NF
IC1SF1
STR G6551
L1SS02 25mH
VA1SS1 SVC471D
C1SS01 100NF
EU OPTION
L1SS01 400uH
W008
W007
C1SF13 221
D1SF12 F1T4
BD1SF3 BEAD
D1SD11 F1T4
VCP:47
R1SD12 56
R1SF15 3.3K
R1SF19 1K
R1SF20 0.33(2W)
C1SF12 47/50V
F1SS01 T1.6L
CN1SS1 YW396-02V
BD1SD1
C1SD03 2.2NF/250V
C1SD04 2.2NF/250V
PRIMARY GND
D1SD31 F1T4
C1SS31 10/100
AL33V
POWER DRIVE
BD1SS2 70UH
D1SS31 F1T4
C1SS32 100/25V
AL24V/9V
POWER DRIVE (CHANGE 24V/9V)
BD1SS3 70UH
D1SS32 UG20D
L1SS31 10uH
C1SS34 330/25 85°C
AL15V
POWER DRIVE
D1SS33 UG2D(NTSC) FML-M02S(PAL)
C1SS33 330/25V 105°C
L1SS32 10uH
C1SS35 1000/10V 105C
C1SS36 470/10V
AL5.8V
POWER DRIVE
R1SD31 470
IC1SS1 PC123F /PS2561
R1SD32 1K
R1SS33 3K/F
R1SS32 1K
C1SS39 0.1
IC1SS2 431 PRECISION REFERENCE
R1SS34 2.2K/F

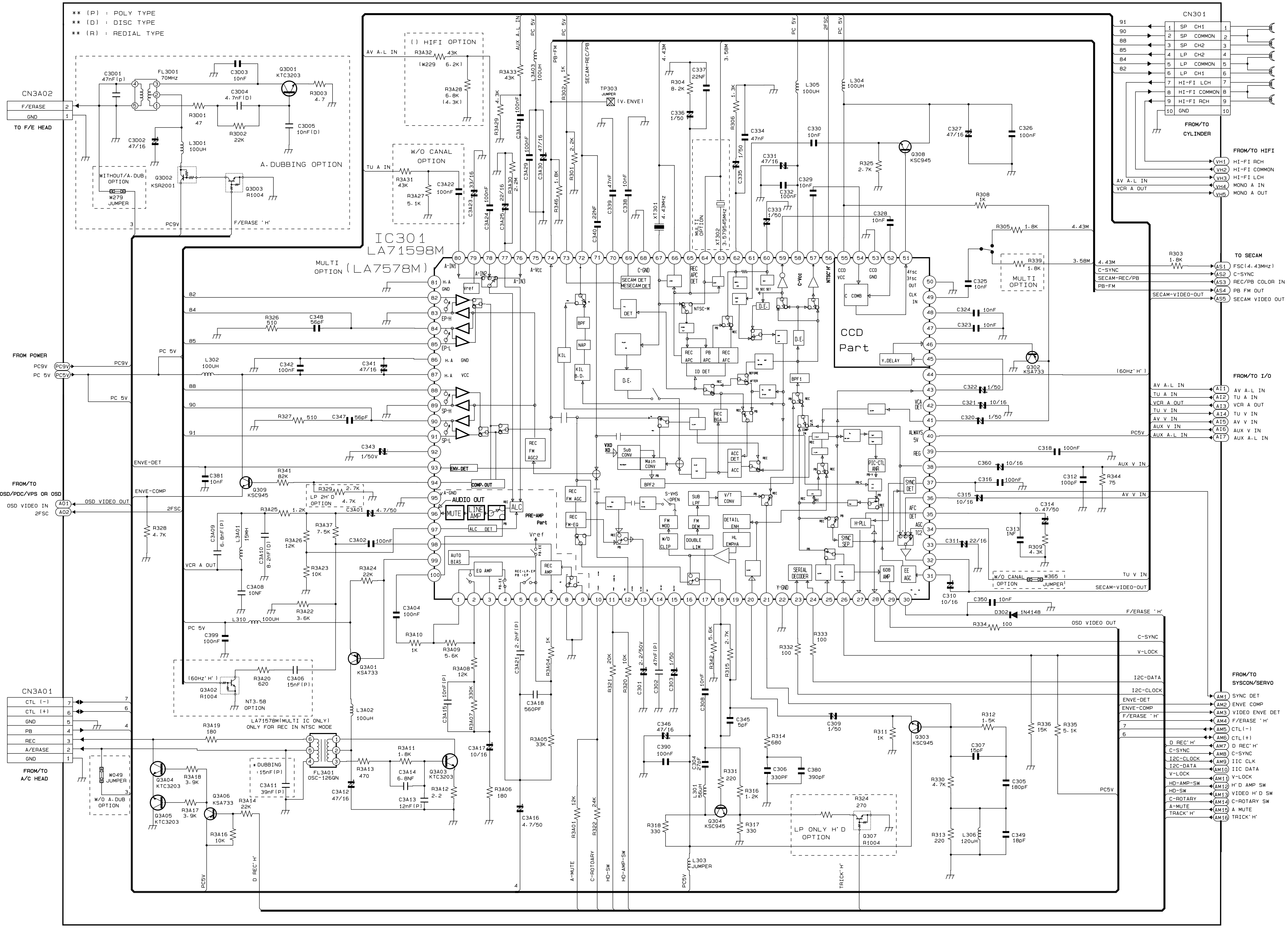
5-2 Power Drive



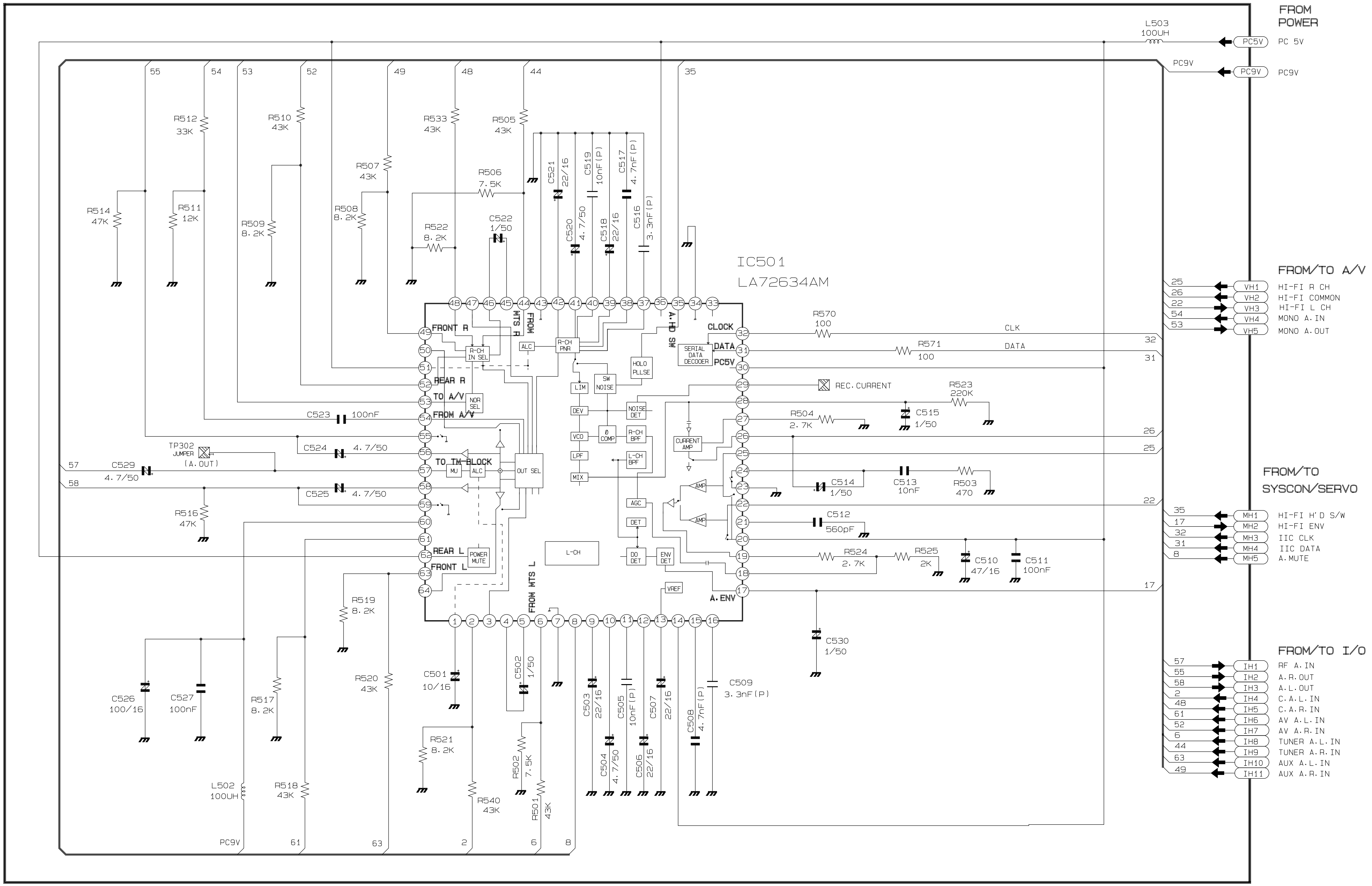
5-3 System Control/Servo



5-4 Audio/Video

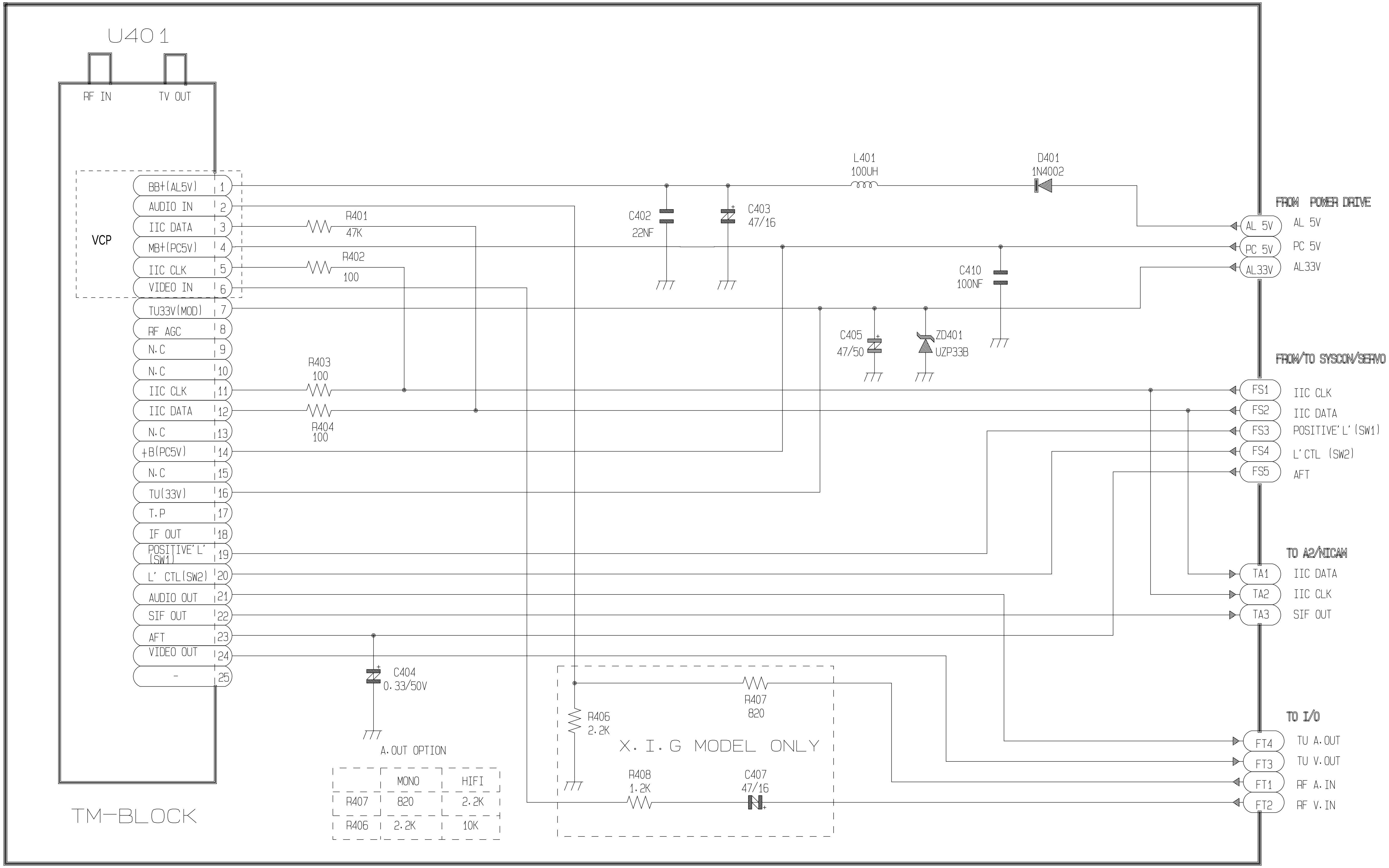


5-5 Hi-Fi

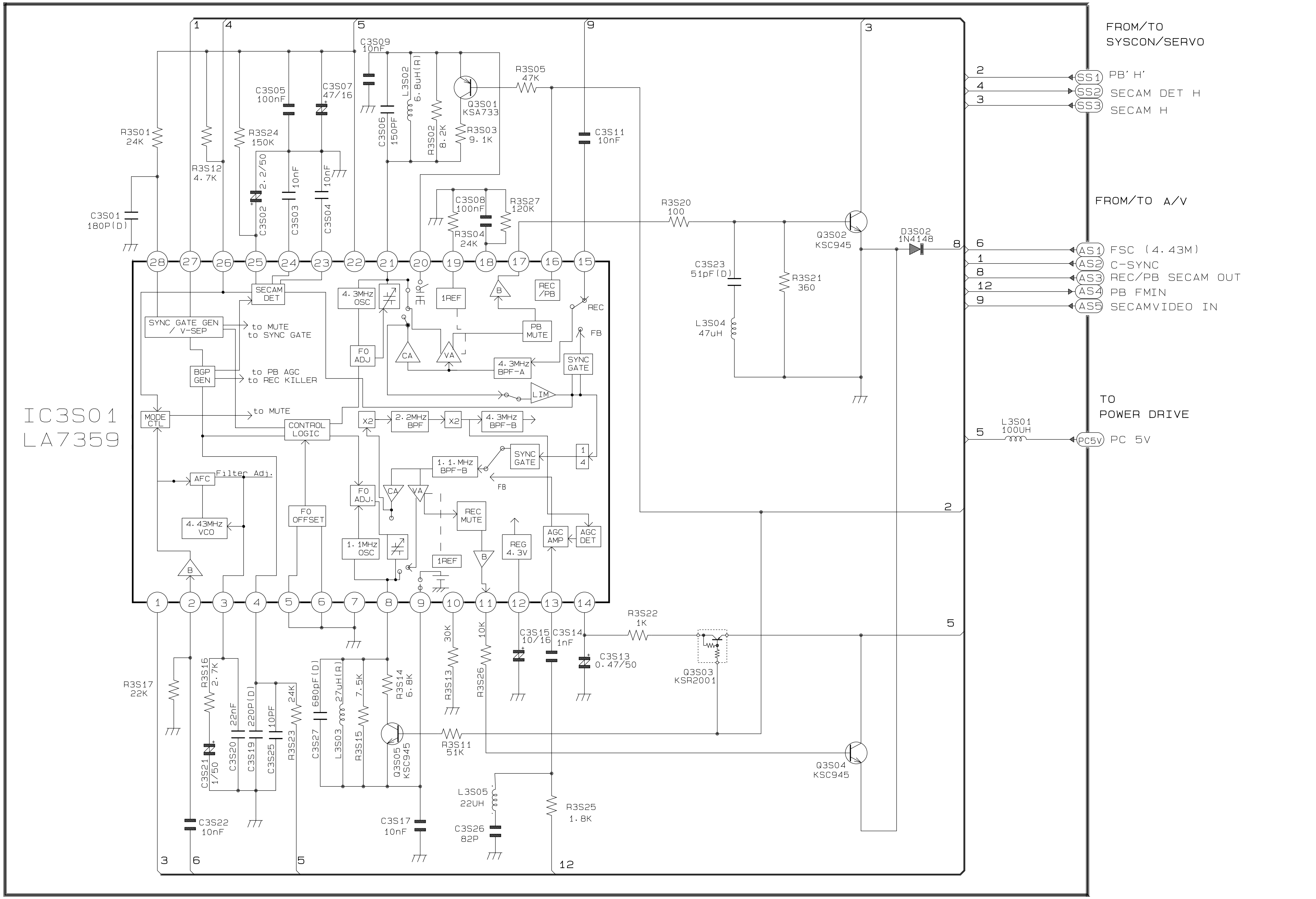


FROM POWER
L503 100UH
PC5V
PC 5V
PC9V
PC9V
IC501
LA72634AM
FROM/TO A/V
VH1 HI-FI R CH
VH2 HI-FI COMMON
VH3 HI-FI L CH
VH4 MONO A.IN
VH5 MONO A.OUT
FROM/TO SYSCON/SERVO
MH1 HI-FI H'D S/W
MH2 HI-FI ENV
MH3 IIC CLK
MH4 IIC DATA
MH5 A.MUTE
FROM/TO I/O
IH1 RF A.IN
IH2 A.R.OUT
IH3 A.L.OUT
IH4 C.A.L.IN
IH5 C.A.R.IN
IH6 AV A.L.IN
IH7 AV A.R.IN
IH8 TUNER A.L.IN
IH9 TUNER A.R.IN
IH10 AUX A.L.IN
IH11 AUX A.R.IN
FRONT R
REAR R
TO A/V
FROM A/V
TO TM BLOCK
REAR L
FRONT L
CLOCK
DATA
PC5V
A.ENV
FROM MTS R
FROM MTS L
A.HD SW
REC.CURRENT
CLK
DATA
TP302 JUMPER (A.OUT)
R512 33K
R510 43K
R533 43K
R505 43K
R514 47K
R511 12K
R509 8.2K
R507 43K
R508 8.2K
R506 7.5K
R522 8.2K
C522 1/50
C521 22/16
C519 10nF(P)
C517 4.7nF(P)
C520 4.7/50
C518 22/16
C516 3.3nF(P)
R570 100
R571 100
R523 220K
R504 2.7K
C515 1/50
C523 100nF
C524 4.7/50
C529 4.7/50
C525 4.7/50
R516 47K
C514 1/50
C513 10nF
R503 470
C512 560pF
R524 2.7K
R525 2K
C510 47/16
C511 100nF
C530 1/50
R519 8.2K
R520 43K
C501 10/16
C502 1/50
C526 100/16
C527 100nF
R517 8.2K
R521 8.2K
R540 43K
R502 7.5K
R501 43K
C503 22/16
C505 10nF(P)
C507 22/16
C508 4.7nF(P)
C509 3.3nF(P)
C504 4.7/50
C506 22/16
L502 100UH
R518 43K

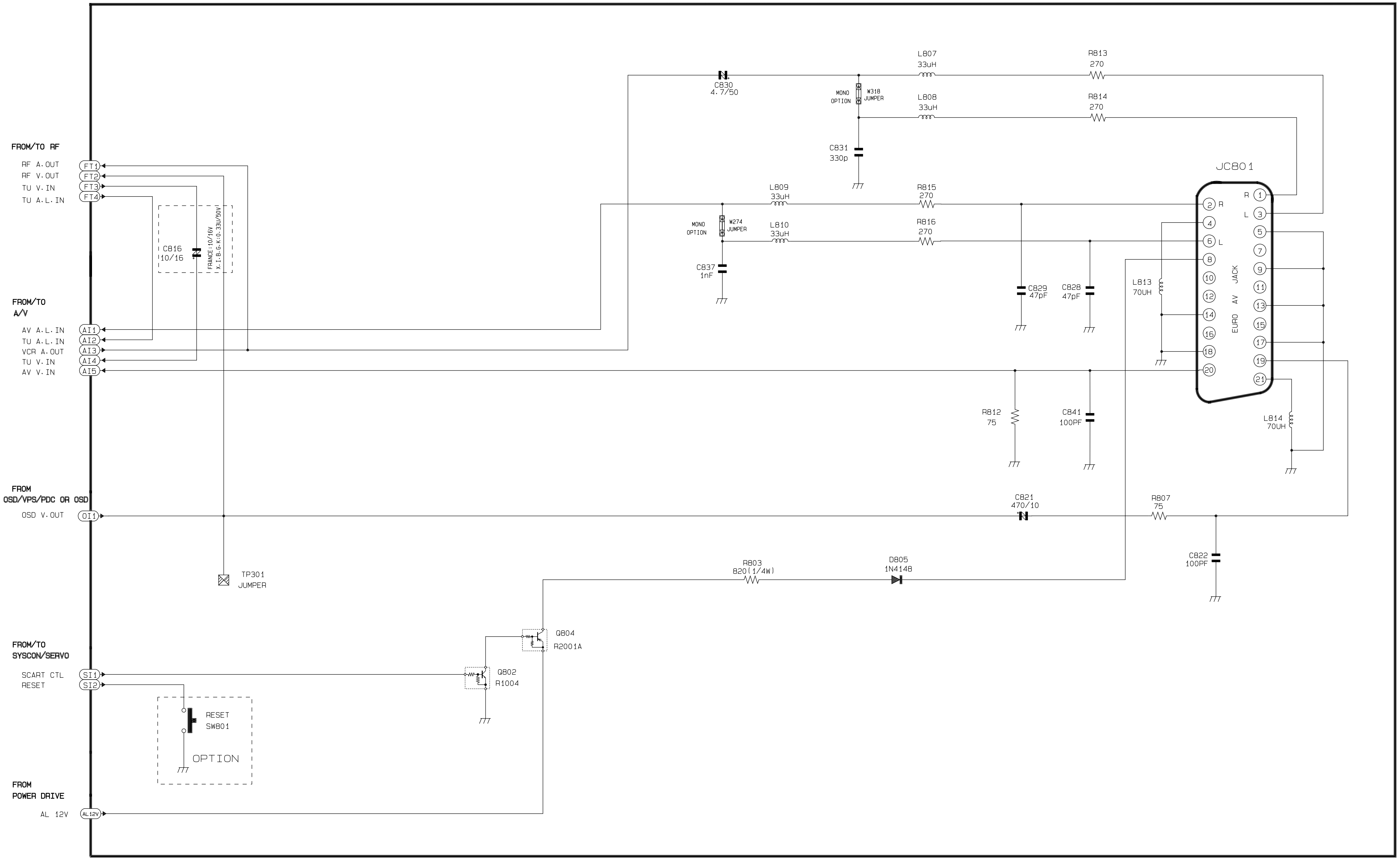
5-6 RF


U401
RF IN
TV OUT
VCP
BB+(AL5V) 1
AUDIO IN 2
IIC DATA 3
MB+(PC5V) 4
IIC CLK 5
VIDEO IN 6
TU33V(MOD) 7
RF AGC 8
N.C 9
N.C 10
IIC CLK 11
IIC DATA 12
N.C 13
+B(PC5V) 14
N.C 15
TU(33V) 16
T.P 17
IF OUT 18
POSITIVE'L' (SW1) 19
L' CTL(SW2) 20
AUDIO OUT 21
SIF OUT 22
AFT 23
VIDEO OUT 24
- 25
TM-BLOCK
R401 47K
R402 100
R403 100
R404 100
C402 22NF
C403 47/16
L401 100UH
D401 1N4002
C410 100NF
C405 47/50
ZD401 UZP33B
C404 0.33/50V
A.OUT OPTION
MONO
HIFI
R407 820 2.2K
R406 2.2K 10K
X.I.G MODEL ONLY
R406 2.2K
R407 820
R408 1.2K
C407 47/16
FROM POWER DRIVE
AL 5V AL 5V
PC 5V PC 5V
AL33V AL33V
FROM/TO SYSCON/SERVO
FS1 IIC CLK
FS2 IIC DATA
FS3 POSITIVE'L'(SW1)
FS4 L'CTL (SW2)
FS5 AFT
TO A2/NICAM
TA1 IIC DATA
TA2 IIC CLK
TA3 SIF OUT
TO I/O
FT4 TU A.OUT
FT3 TU V.OUT
FT1 RF A.IN
FT2 RF V.IN

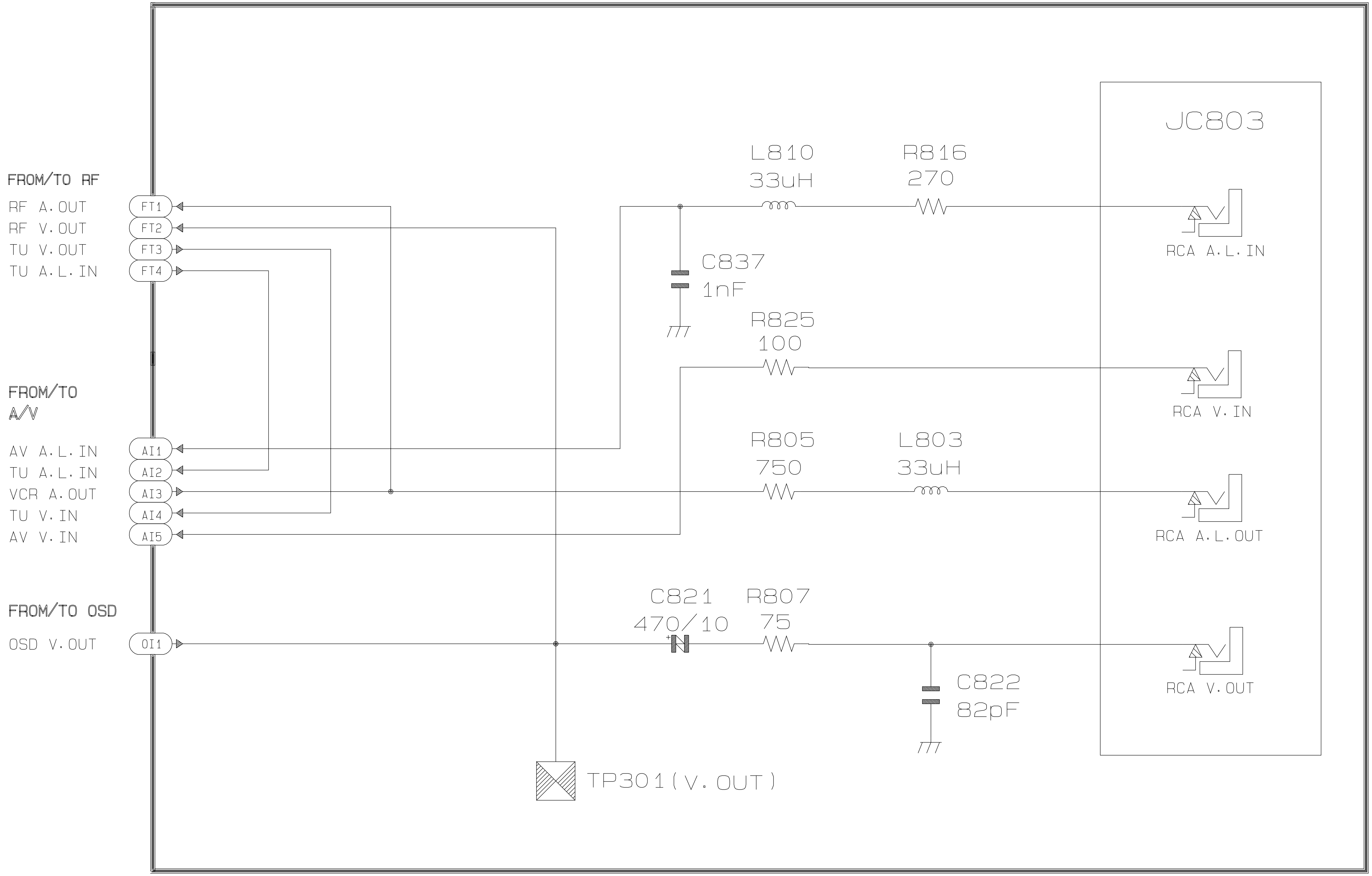
5-7 SECAM (SVR-639 Only)



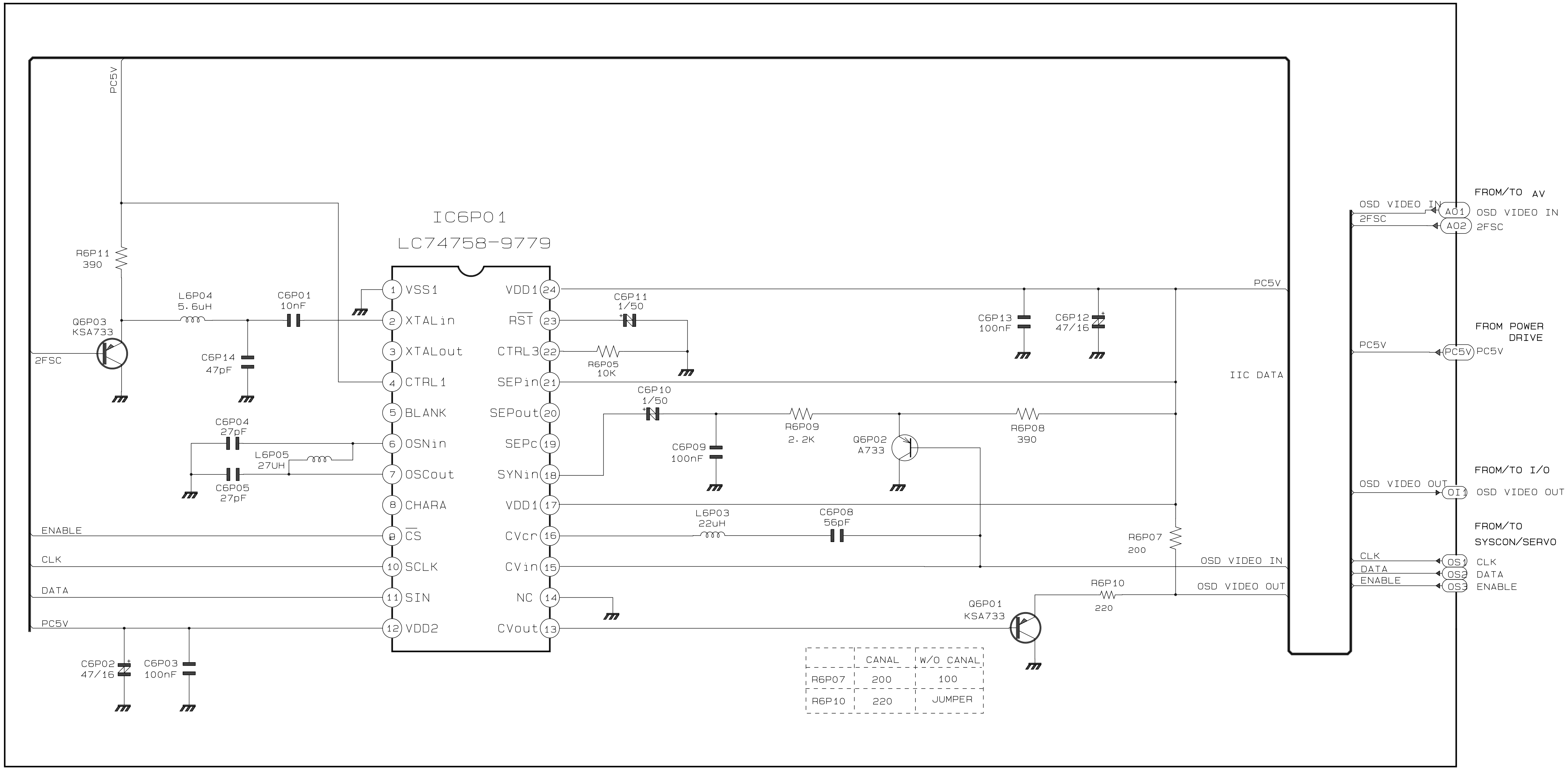
5-8 Input-Output (1 Scarrt Jack ; SVR-639 Only)



5-9 Input-Output (RCA Jack)

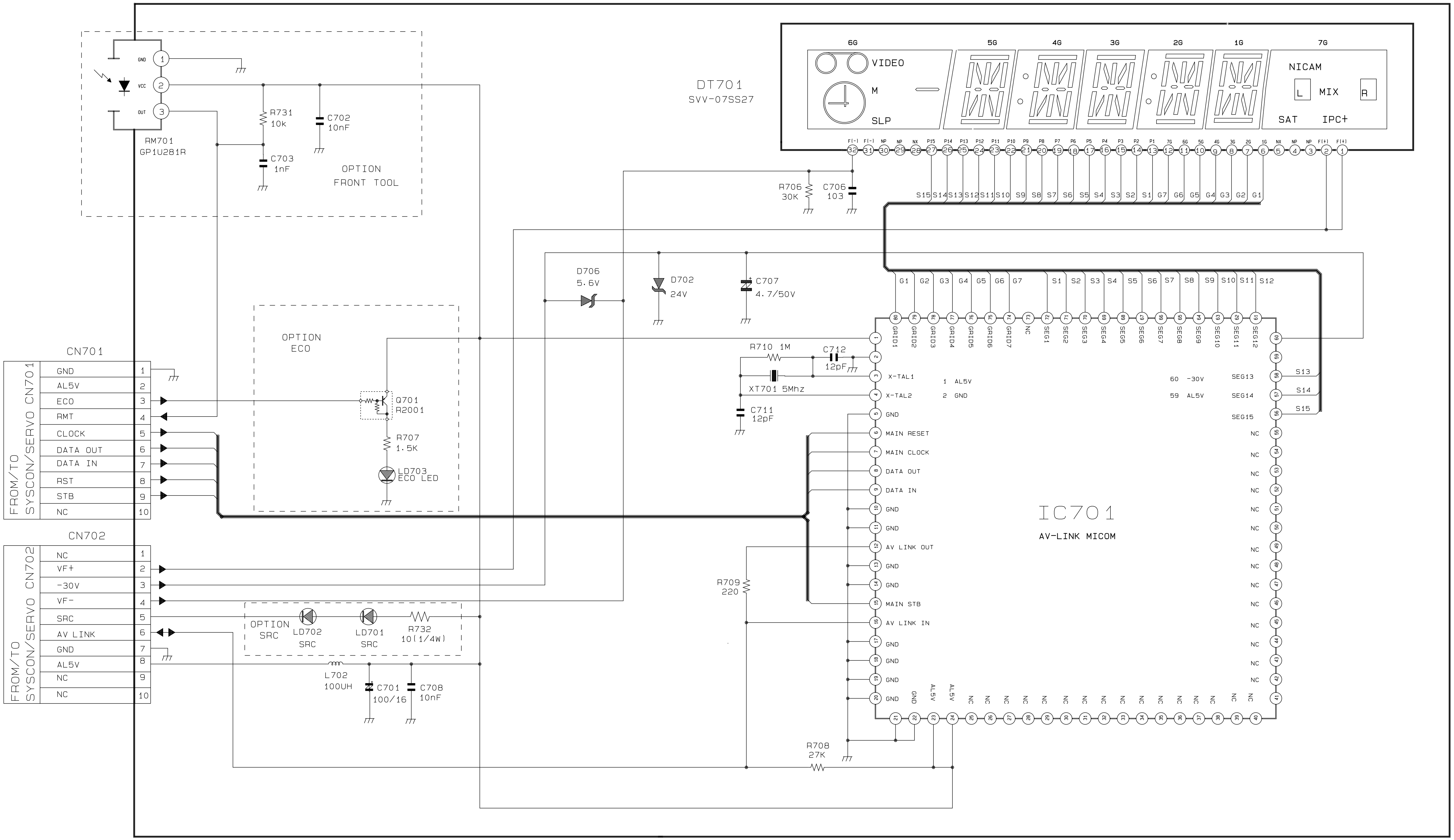


5-10 OSD

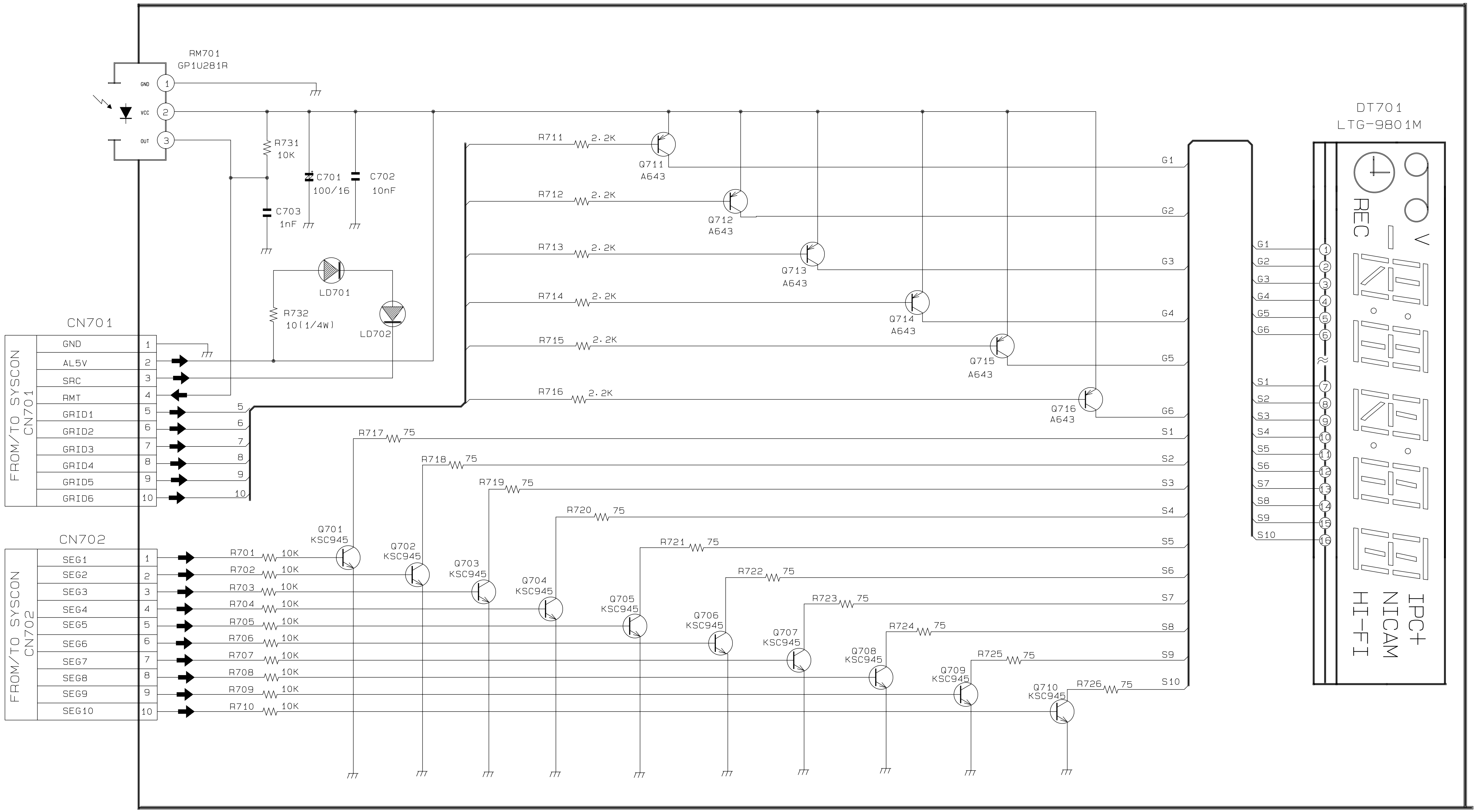


	CANAL	W/O CANAL
R6P07	200	100
R6P10	220	JUMPER

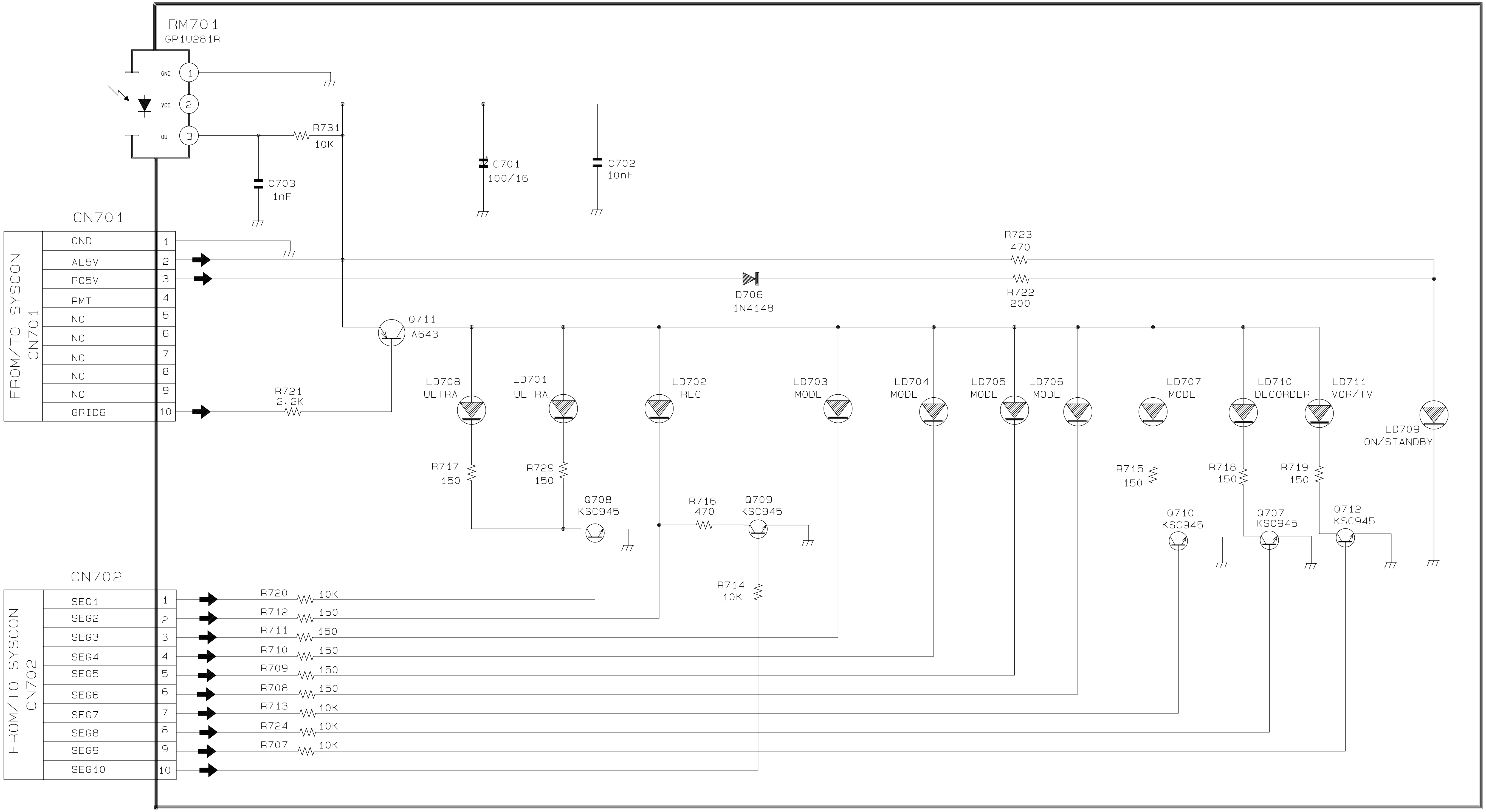
5-11 VFD Display (SVR-639)



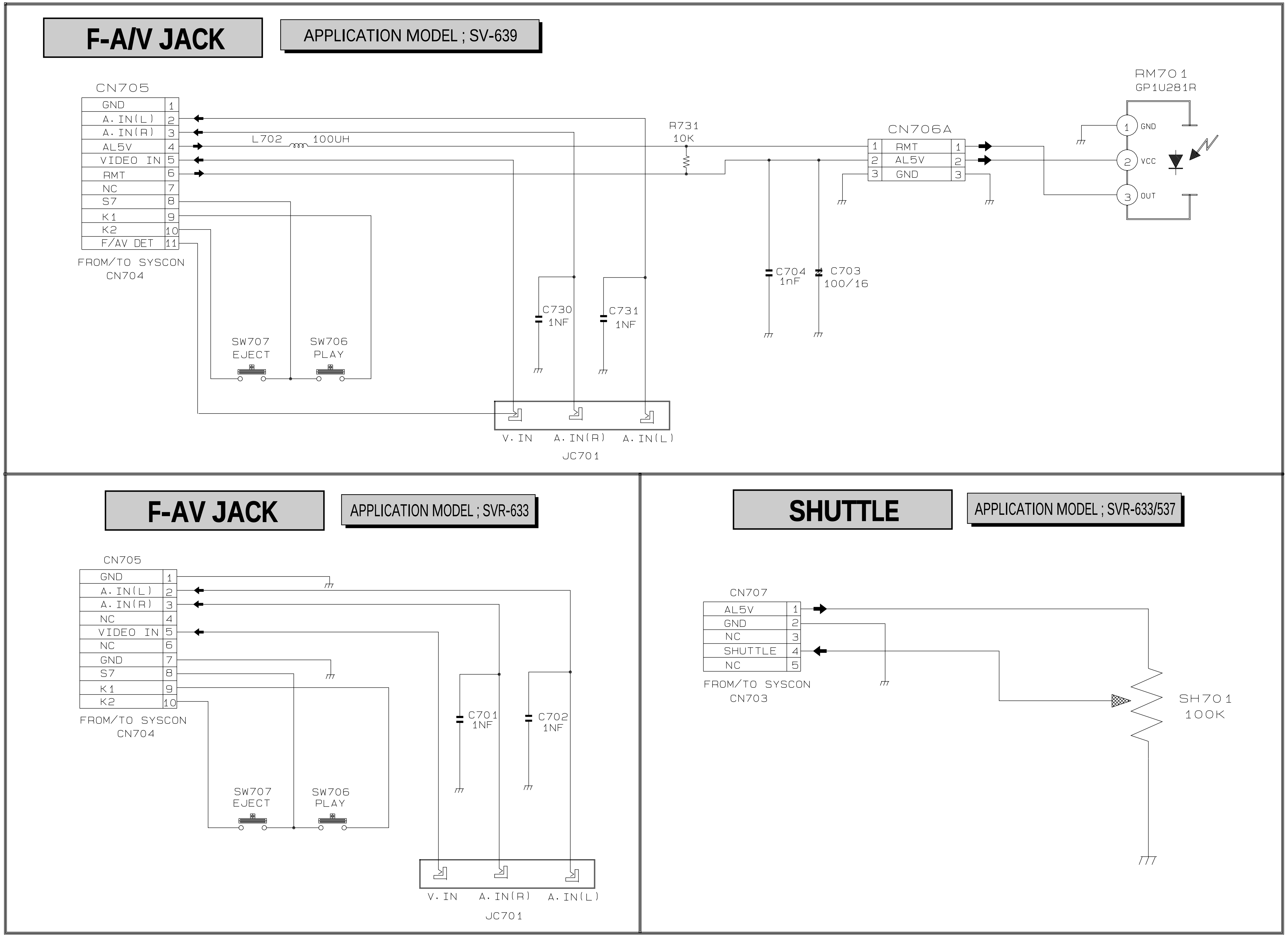
5-12 LED-Module Display (SVR-633/SVR-630)



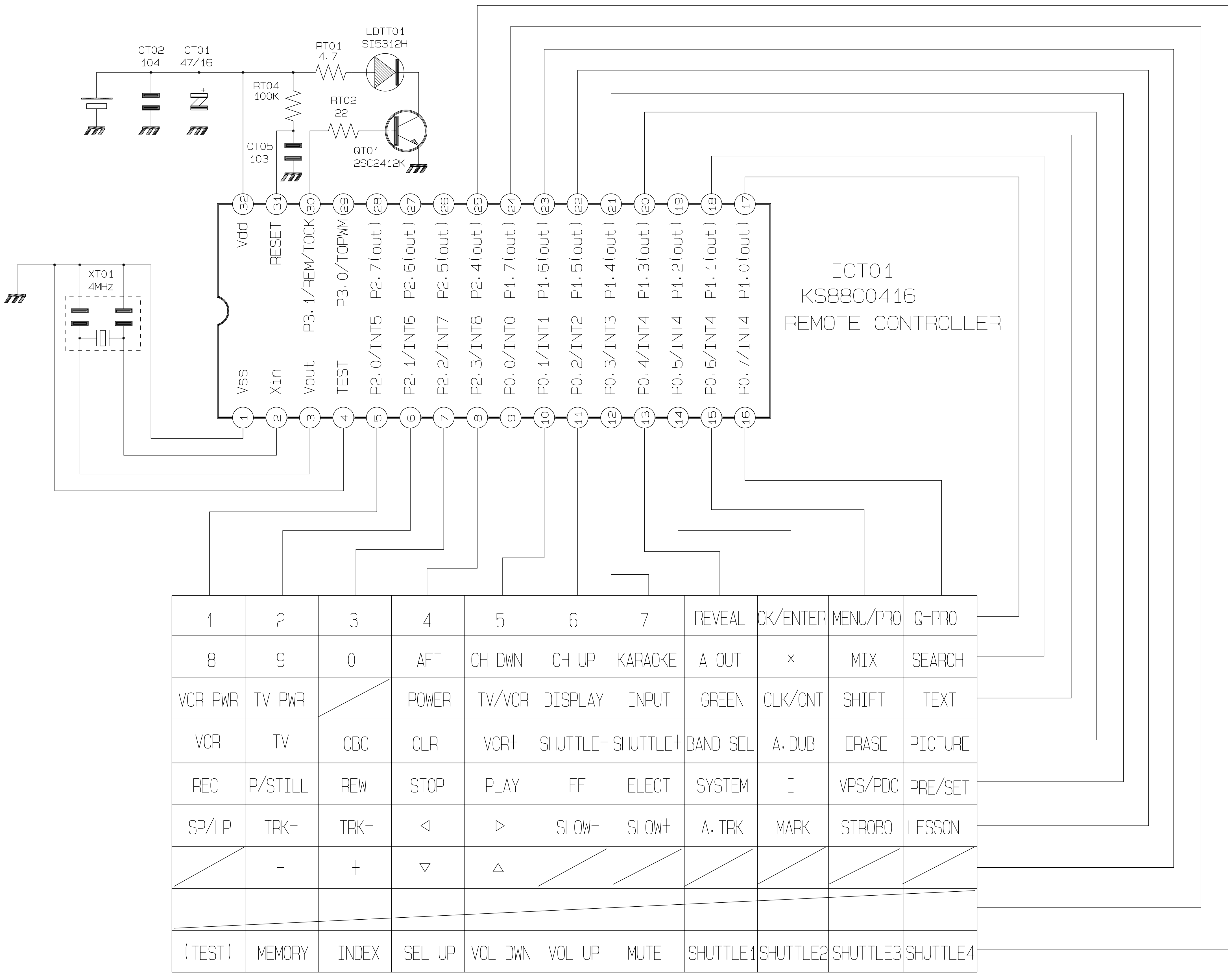
5-13 LED-Single Display (SVR-537)



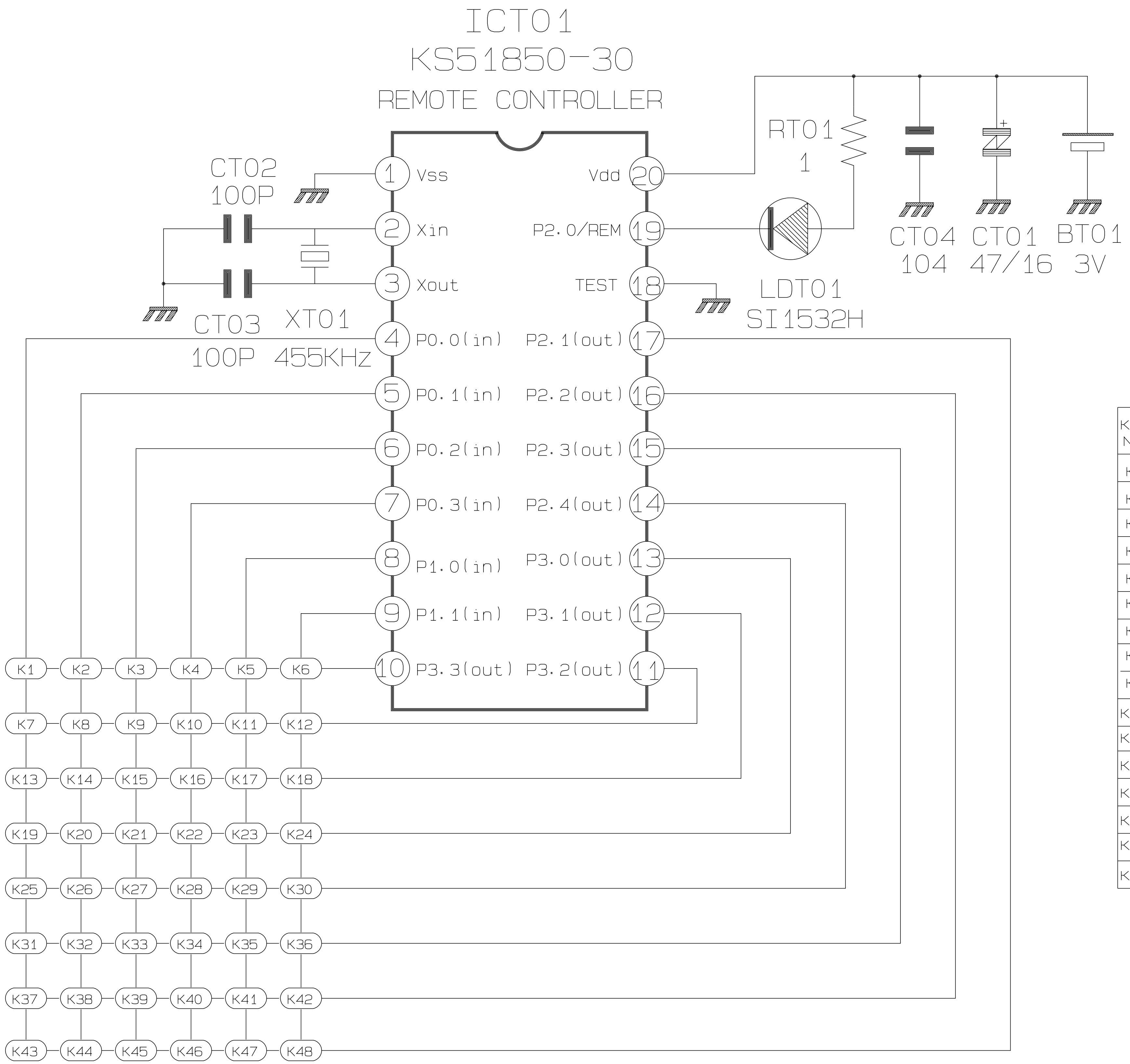
5-14 Front A/V Jack/Shuttle



5-15 Remote-Control (Multi-TV)



5-16 Remote-Control (VCR Only)



KEY NO.	KEY NAME	KEY NO.	KEY NAME	KEY NO.	KEY NAME
K1	VTR/TV	K17	STOP	K33	INDEX
K2	POWER	K18	P/S	K34	TRK+
K3	1	K19	SLOW DOWN	K35	TRK-
K4	2	K20	REW	K36	DUB
K5	3	K21	PLAY	K37	MARK
K6	4	K22	FF	K38	VCR+
K7	5	K23	CLEAR/RESET	K39	CLK/COUNT
K8	6	K24	DISPLAY	K40	SP/LP
K9	7	K25	MENU	K41	Q-PROGRAM
K10	8	K26	EJECT	K42	OK.ENTER
K11	9	K27	ATR	K43	SYSTEM
K12	CH DOWN	K28	OUTPUT SEL	K44	MODE/KARAOKE
K13	0	K29	INPUT SEL	K45	AFT
K14	CH UP	K30	MONITOR	K46	PICTURE
K15	SLOW UP	K31	ERASE	K47	SHUTTLE-
K16	REC/OTR	K32	TEST	K48	SHUTTLE+